Main 34A, UCSB

Quiz 2

Name:

Brandy Rodriguet

Perm Number:

0505034

1) Simplify the expression below and write it as a percent.

$$\frac{1}{20} \left(12^{-1} + 18^{-1} \right)^{-1}$$

$$\frac{1}{20}(12^{-1}+18^{-1})^{-1}$$

$$\frac{1}{20^{-1}(12^{-1}+18^{-1})^{-1}}$$

$$\frac{30}{20(30)}$$

$$\frac{1}{600} \times 100^{0/0}$$

$$\frac{1}{600}$$

20°/0

$$\left(\frac{5a-3ab}{2a}\right)\left(\frac{14a-28b}{7}\right)^{2}$$

$$\frac{1}{4} \times \frac{2}{8}$$

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?

 $\rho \sigma_{\psi}$

1:20am 130mi WOSI

1:20am 1:28am 100mi 132mi

4:

Name:

Sebastian Avila

Perm Number:

5976220

1) Simplify the expression below and write it as a percent.

write it as a percent.

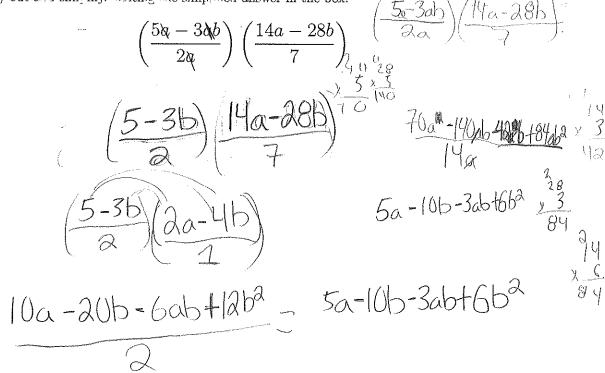
$$\frac{1}{20}(12^{-4} + 18^{-4})^{-4} = (\frac{1}{12} + \frac{1}{18})^{-4}$$
 $\frac{1}{20}(12 + 18^{-4})^{-4} = (12 + 18)^{-4}$
 $\frac{1}{20}(30) = \frac{1}{20}(30) = \frac{1}{20}(30)^{-4}$

y 1.5 50,6 1100

150%

$$(x-1)(x^{3}+x^{2}+x+1)$$

$$\chi^{1}+\chi^{3}+\chi^{3}+\chi^{3}-\chi^{$$



5a-10b-3ab+6b2

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?

-	per nour. At	what time will J
<i>></i> (<u> </u>	L JB
12	70	0
1	1:60	0
12	08 - 190	0
2	1120	66.64
3	180	166.67
4	1240	266.6F
		1

3:40 220 3:40 233.34

3:20 200 3:20 200

3:20 AM

Name:

Stephane Mita

Perm Number:

8038481

1) Simplify the expression below and write it as a percent.

$$\frac{1}{20} \left(12^{-1} + 18^{-1} \right)^{-1}$$

$$\frac{1}{20}(30) = \frac{30}{20} = \frac{3}{2} = 1.5$$

150%

$$(x-1)(x^3+x^2+x+1)$$



$$\left(\frac{5a-3ab}{2a}\right)\left(\frac{14a-28b}{7}\right)$$

$$\left(\frac{14a-28b}{7}\right)\left(\frac{7}{4}\right)\left(\frac{3a-2b}{7}\right)$$

26

$$(5-3b)(a-2b)$$

 $5a-10b-3ab-6b^2$
 $5(a-2b)-3(ab-2b^2)$

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?

$$\frac{20}{60} \cdot \frac{1}{3}$$
 60 miles + 20 miles = 80 miles © 1:20

2:20 Am J= 100 miles 2:20 Am BG = 140 miles

3:20 AM

$Quiz_{2}$

Alicia Cabell

Perm Number: 666030-2

1) Simplify the expression below and write it as a percent.

$$\frac{1}{20}(12^{-1}+18^{-1})^{-1}$$

$$\frac{1}{120}(-12+-18)$$

$$\frac{1}{20}(-20)^{-1}$$

$$\frac{1}{20}(20)$$

$$\frac{1}{20}(20)$$

$$\frac{1}{20}(20)$$

$$\frac{1}{100}(20)$$

$$\frac{5}{100}(20)$$

$$\frac{1}{100}(20)$$

$$\frac{5}{100}(20)$$

52 of 20

2) Multiply out and simplify. writing the simplified answer in the box.

$$(x-1)(x^3+x^2+x+1)$$

$$(x-1)(x^3+x^2+x+1)$$

$$(x-1)(x+1)(x^2+1)$$

2/2-1

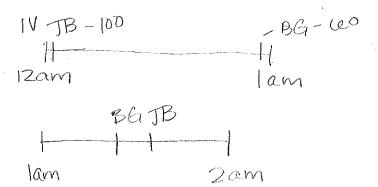
18 14 28 18 14 28 18 194

$$\left(\frac{5a - 3ab}{2a}\right)\left(\frac{14a - 28b}{7}\right) \\
\left(5a - 3ab\right)\left(2a - 4b\right) = 10a + 12ab$$

$$= \left(5a + 12ab\right) = 10a + 12ab$$

5+6b

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?

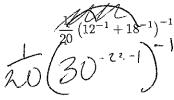


1:00 AM

Name:

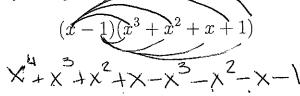
Perm Number:

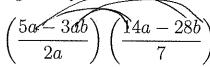
1) Simplify the expression below and write it as a percent.



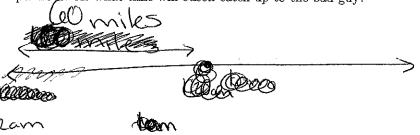
70 (-30) 20 (-30) 20 (-30) 20 = 60? 20 (-30) 20 = 60? 20 Che



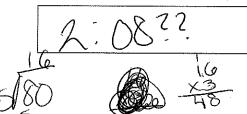




4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?



at 1:50 has 100 miles



Name:

vissa aguinique

Perm Number: 6646624

1) Simplify the expression below and write it as a percent.

$$\frac{1}{20} \left(12^{-1} + 18^{-1} \right)^{-1}$$

$$\frac{1}{20} \left(\frac{1}{12} + \frac{1}{18} \right)^{-1}$$

$$\frac{1}{20} \left(\frac{1}{12} + \frac{1}{18} \right)$$

620

6%

$$(x-1)(x^3+x^2+x+1)$$

$$(x-1)(x^3+x^2+x+1)$$

$$(x^4+x^3+x^2+x+1)$$

$$(x^4-1)(x^3+x^2+x+1)$$



$$\left(\frac{5a-3ab}{2a}\right)\left(\frac{14a-28b}{7}\right)$$

$$\left(\frac{5a-3ab}{2a}\right)\left(\frac{14a-28b}{7}\right)$$

$$\left(\frac{5a-3ab}{7}\right)\left(\frac{14a-28b}{7}\right)$$

$$\left(\frac{5a-3ab}{7}\right)\left(\frac{14a-28b}{7}\right)$$

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?

400

x00

300

00 mgh

1:30 100

$$y = 13 + 60 \times 31 - 34 - 60 \times 31 + 100 \times 31 - 120 - 60$$

$$y = 13 + 100 \times -60 \times$$

17

Name:

Perm Number: 0361232

1) Simplify the expression below and write it as a percent.

80%

$$(x-1)(x^{3}+x^{2}+x+1)$$

$$X^{1}+x^{3}+x^{2}+x-1x^{3}-x^{2}-x-1$$

$$x^{4}-x^{2}-x-1$$

$$\frac{\left(\frac{5a-3ab}{2a}\right)\left(\frac{14a-28b}{7}\right)-7}{\left(\frac{5a+3ab}{2a}\right)\left(\frac{14a-28b}{7}\right)-7} = \frac{2a-4b}{2a-4b}$$

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?

(00 mph 1:20 am

Name:

Katelyn Cole

Perm Number:

978294-7

1) Simplify the expression below and write it as a percent.

$$\frac{1}{20} (12^{-1} + 18^{-1})^{-1}$$

$$\frac{1}{30} \left(\frac{1}{12} + \frac{1}{18} \right)^{-1}$$

$$\frac{1}{30}(12+18)$$

$$\frac{30}{30} = 130 = 1501$$

1501.

2) Multiply out and simplify. writing the simplified answer in the box.

$$(x-1)(x^3+x^2+x+1)$$

$$(x-1)(x^3+x^2+x+1)$$

$$(x-1)(x^3+x^2+x+1)$$

$$(x-1)(x^3+x^2+x+1)$$

 $(x_9-1)(x_9+1)$

111

3) Multiply out and simplify. writing the simplified answer in the box.

 $\frac{14a-28b}{2a} = \frac{14a-28b}{7} \cdot \left(\frac{5a-3ab}{7}\right) \cdot 2a$

[70a2-140ab][42a2b+84ab2]

70a(a-2b)-42ab(a-2b) 14a (70a-42ab)(a-2b)

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?

60 miles 100 miles

1 am > 60 miles away 3:20 > 100 miles 2 am > 120 miles away 3:20 > 200 miles 3 am > 160 miles avay

3 am

428 X5

Name:

emily when

Perm Number:

5022949

1) Simplify the expression below and write it as a percent.

$$\frac{1}{20}(12^{-1}+18^{-1})^{-1}$$

$$=\frac{1}{20}(\frac{1}{12}+\frac{1}{18})^{-1}$$

$$=\frac{1}{20}(\frac{1}{12}+\frac{1}{18})^{-$$

$$(x-1)(x^3+x^2+x+1)$$



$$\left(\frac{5a-3ab}{2a}\right)\left(\frac{14a-28b}{7}\right)$$

$$= \frac{2}{2} \left(\frac{1}{2} - \frac{3}{3}b \right) \left(\frac{1}{2} - \frac{2}{4}b \right) \rightarrow \frac{1}{2} \left(\frac{5}{2} - \frac{3}{3}b \right) \left(\frac{2}{2} - \frac{3}{4}b \right)$$

$$= (5-3b)(3-2b)$$

$$= 5a-(0b-3ab+6b^{2})$$

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?

40 + 20 = 70 min

60 mph -> 12:00 AM & 20 mi travened

100 - 60 = 40 · 10 mi

MW/Wi 40

Name:

Perm Number: 5381462

1) Simplify the expression below and write it as a percent.

$$= \frac{1}{20} (12^{-1} + 18^{-1})^{-1}$$

$$= \frac{1}{20} \times (\frac{1}{12} + \frac{1}{18})^{-1}$$

$$= \frac{1}{20} \times (\frac{3}{36} + \frac{2}{36})^{-1}$$

$$= \frac{1}{20} \times \frac{36}{5}$$

$$= \frac{9}{25}$$

$$= \frac{36}{5}$$

$$(x-1)(x^3 + x^2 + x + 1)$$

$$= \chi^4 + \chi^3 + \chi^4 + \chi - \chi^3 - \chi^3 - \chi - \chi - \chi$$

$$= \chi^4 - |$$

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?

The fistance between them when Jason Borne leavery Isla Vista:

60 miles/x 1h + 60 miles/h × 20 miles

= 60 miles + 20 miles

= 80 miles

The speed subtraction between them: 100miles /h-bombles/h= Yourdes/h

Time: Soniles = 2 hours

Answer: the time is 3:20 Am

Name:

Miliani Legra-Birnitez

Perm Number: 395417 U

1) Simplify the expression below and write it as a percent.

$$\frac{1}{20} (12^{-1} + 18^{-1})^{-1} \qquad (17^{-1})$$

$$\frac{1}{12^{-1} + 18^{-1}}$$

$$\frac{1}{12} \left(\frac{1}{12 + 18} \right)$$

$$\frac{1}{12} \left(\frac{1}{30} \right)$$

$$(x-1)(x^{3}+x^{2}+x+1)$$

$$\chi^{4} + \chi^{5} + \chi^{2} + \chi^{-1}$$

$$\left(\frac{5a - 3ab}{2a}\right) \left(\frac{14a - 28b}{7}\right)$$

50-1006-3026+7062

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?

\ \	2	175	
13	110 mi	105	
60 mph			
		1145	
1:20 nm	2		
100 mph	H, O win	125	19.
WWmph	II, O DAN	(1)	

Name:

Anahi Pimentel

Perm Number:

4206688

1) Simplify the expression below and write it as a percent.

$$\frac{1}{20} \left(12^{-1} + 18^{-1} \right)^{-1}$$

$$\frac{100}{20} \left(\frac{1}{-12} + \frac{1}{-18} \right) \cdot 100$$

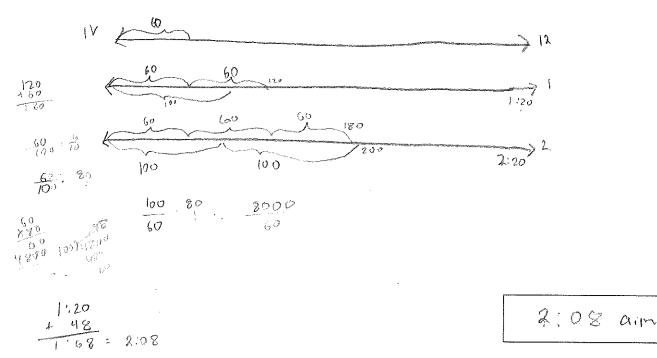
$$\frac{100}{20} \left(\frac{100}{11} - \frac{100}{18} \right)$$

$$\frac{25}{129} \cdot \frac{125}{3} - \frac{25}{9}$$

$$-\frac{125}{3} - \frac{25}{9}$$

$$(x-1)(x^3+x^2+x+1)$$

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?



Name:

Crystal Menduzza

Perm Number:

4138483

1) Simplify the expression below and write it as a percent.

$$\frac{1}{20} (12^{-1} + 18^{-1})^{-1}$$

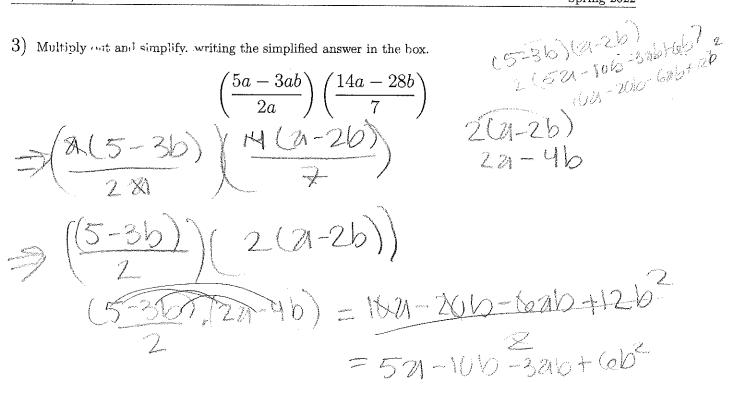
$$= \frac{1}{20} (12^{-1} + 18^{-1})^{-1}$$

15

$$(x-1)(x^{3}+x^{2}+x+1)$$

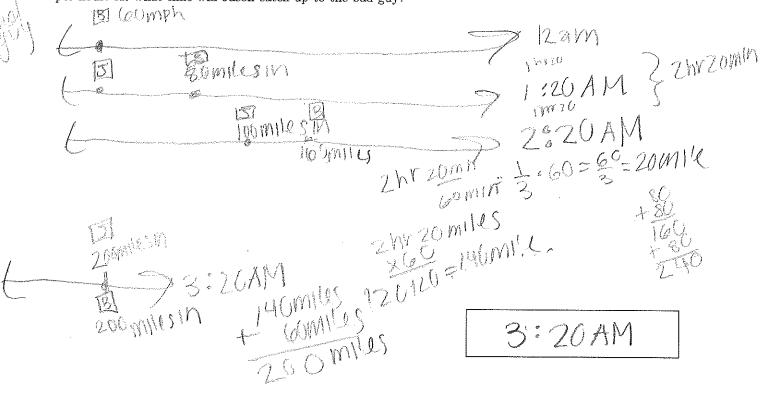
$$= x^{4}+x^{3}+x^{2}+x-x^{3}-x^{2}-x-1$$

$$= x^{4}-1$$



50-100-300+662

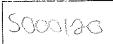
4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?



Name:



Perm Number:



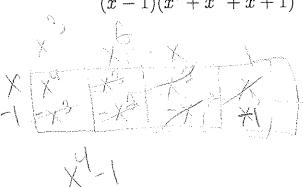
1) Simplify the expression below and write it as a percent.

$$\frac{1}{20} \left(12^{-1} + 18^{-1} \right)^{-1}$$

105/(100) 105/(100)



$$(x-1)(x^3 + x^2 + x + 1)$$



$$\left(\frac{5a - 3ab}{2a}\right) \left(\frac{14a - 28b}{7}\right)$$



Cab Kal

3-6636-1706-16062

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?"

1.76 1:40 1:50 2:00 2.70 0 20mb 50 80

100-91

Name:

Kellen Beckett

Perm Number:

4794665

1) Simplify the expression below and write it as a percent.

$$\frac{1}{20} (12^{-1} + 18^{-1})^{-1}$$

$$\frac{1}{20} (12^{-1} + 18^{-1})^{-1}$$

$$\frac{1}{20} (12^{-1} + 18^{-1})$$

$$\frac{1}{20} (12^{-1} + 18^{-1})$$

$$\frac{1}{20} (30)$$

$$\frac{1}{20} (30)$$

150 %.

$$(x-1)(x^3+x^2+x+1)$$

$$\left(\frac{5a - 3ab}{2a}\right) \left(\frac{14a - 28b}{7}\right)$$

$$\frac{A(5-35)}{A(2)} \frac{7(2a-45)}{A(1)}$$

$$\frac{A(2)}{35a-71a7} \frac{10a-705-6a5-1752}{4a=5645}$$

$$\frac{28a^{2}-56a5}{28a^{2}-36a5}$$

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?

${\rm Quiz}\ 2$

Name:

Colin Gallivan

Perm Number:

9562735

1) Simplify the expression below and write it as a percent.

$$\frac{\frac{1}{20}(12^{-1}+18^{-1})^{-1}}{\frac{1}{20}(\frac{1}{12}+\frac{1}{18})^{-1}}$$

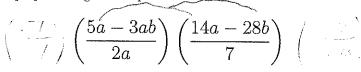
$$\frac{1}{20}(\frac{1}{12}+\frac{1}{18})^{-1}$$

$$\frac{1}{20}(\frac{1}{12}+18)$$

$$\frac{1}{20}(\frac{30}{1})=\frac{30}{20}$$

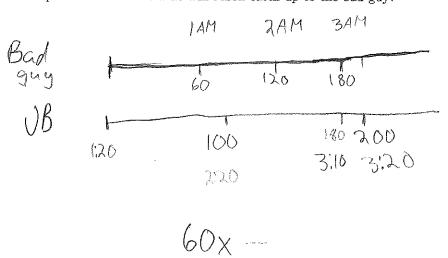
 $(x-1)(x^3+x^2+x+1)$

150%



Mai

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?



3,20 AM

Name:

zoent morodut

Perm Number:

45-6413-4

1) Simplify the expression below and write it as a percent.

¥

$$\frac{1}{20}(12^{-1}+18^{-1})^{-1}$$
1/20 $(30^{-2})^{-1}$
1/20 (30^{2})
1/20 (900)
 $\frac{7}{100}$ 900
 $\frac{7}{100}$ 900
 $\frac{7}{100}$ 900
 $\frac{7}{100}$ 900

100 (4500 4500 50

5.900 = 4500 100

5% of 900: 45

$$(x-1)(x^3 + x^2 + x + 1)$$
 $x^4 \cdot x^2 \cdot x^2 \cdot x^4 - x$

$$\left(\frac{5a - 3ab}{2a}\right)\left(\frac{14a - 28b}{7}\right)$$

$$\left(\frac{5a - 3ab}{2a}\right)\left(2a - 4b\right)$$

$$\left(\frac{10a - 6a^{2}b}{4a^{2}}\right) - \left(\frac{20ab - 12ab^{2}}{8ab}\right)$$

$$\left(\frac{5a - 3a^{2}b}{2a^{2}}\right) - \left(\frac{5ab - 3ab^{2}}{2ab}\right)$$

$$\left(\frac{5a^{2}}{2a^{2}}\right) - \left(\frac{5ab - 3ab^{2}}{2ab}\right)$$

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?

Name:

Christopher Bolins

Perm Number:

608 553-4

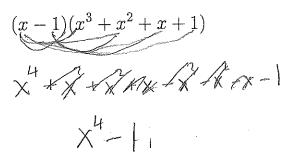
1) Simplify the expression below and write it as a percent.

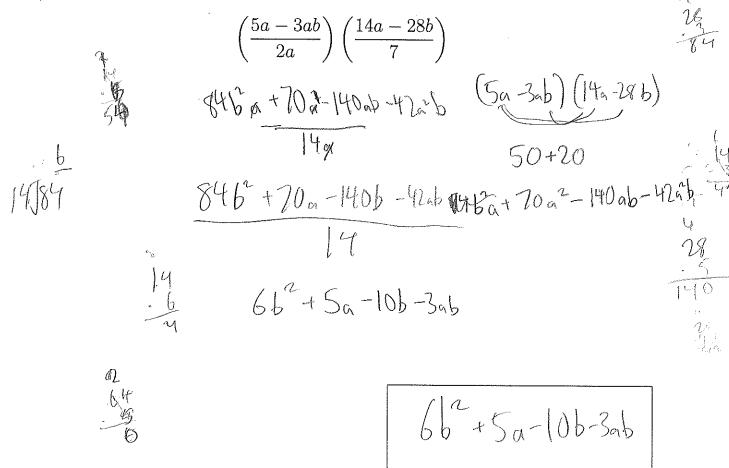
$$\frac{1}{20}(12^{-1}+18^{-1})^{-1}$$

$$\frac{1}{20}\left(12+18\right)$$

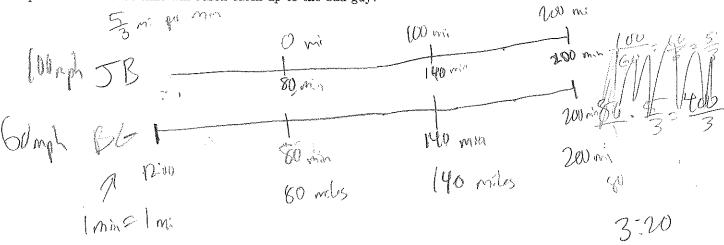
$$\frac{30}{20}=\frac{3}{1}=1.5=150\%$$

150%





4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?



3.20 A.M.

Name:

Hidei Spanne

Perm Number:

5958525

1) Simplify the expression below and write it as a percent.

$$\frac{1}{20} \left(12^{-1} + 18^{-1} \right)^{-1}$$

12 HB



60

3 x199.

36%

2) Multiply out and simplify. writing the simplified answer in the box.

 $(x-1)(x^3+x^2+x+1)$

- 3) Multiply out and simplify, writing the simplified answer in the box.

 - $\left(\frac{5a-3ab}{2a}\right)\left(\frac{14a-28b}{7}\right) \quad 2 \quad \left(\frac{14a-28b}{7}\right)$

28a2 - 56ab

(59-3ab)(149-28b)

28a2+35a-77ab

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?

12am at 60mph

1:20 mins later

W

123 miles ahead

IV

1:23 mins

123

3:05 AM

Name:

Mariah Ford

Perm Number:

6144893

1) Simplify the expression below and write it as a percent.

$$\frac{1}{20} (12^{-1} + 18^{-1})^{-1}$$

$$\frac{1}{20} (30^{-1})^{-1}$$

$$\frac{1}{20} \times \frac{1}{20}$$

$$\frac{1}{20} \times \frac{1}{20}$$

$$\frac{1}{20} \times \frac{1}{20}$$

(1/(2/3)) / 100

$$(x-1)(x^{3} + x^{2} + x + 1)$$

$$x^{4} + x^{3} + x^{2} + x - x^{3} - x^{2} - x - 1$$

$$\left(\frac{5a - 3ab}{2a}\right) \left(\frac{14a - 28b}{7}\right)$$

5a + 140ab - 412 a2b - 84 ab2

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?

<u> </u>	15:00 000
IV C	1 am
IN 30 miss	1:20 am
100 respo	2:20 am
200 mile	3:20 xxx

of hour (00 miles 0.5 hour 30 miles (13 hour 20 miles (20 mins)

Name:

Toha Hassain

Perm Number: 5757406

1) Simplify the expression below and write it as a percent

$$\frac{1}{20}(12^{-1}+18^{-1})^{-1}$$

$$\frac{1}{20}(\frac{1}{12}+\frac{1}{18})$$

$$\frac{3}{36}(\frac{3}{36})$$

$$\frac{3}{36}(\frac{3}{36})$$

$$\frac{3}{20}(\frac{3}{20}-\frac{3}{20})$$

$$\frac{3}{20}(\frac{3}{20}-\frac{3}{20})$$

$$\frac{3}{20}(\frac{3}{20}-\frac{3}{20})$$

$$\frac{3}{20}(\frac{3}{20}-\frac{3}{20})$$

$$\frac{3}{20}(\frac{3}{20}-\frac{3}{20})$$

$$\frac{3}{20}(\frac{3}{20}-\frac{3}{20})$$

$$\frac{3}{20}(\frac{3}{20}-\frac{3}{20})$$

$$(x-1)(x^3+x^2+x+1)$$
 $x^4 + x^3 + x^2 + x + 1$
 $x^4 - 1$

$$\left(\frac{5a-3ab}{2a}\right)\left(\frac{14a-28b}{7}\right) \qquad \qquad \frac{35}{250}$$

$$\left(\frac{5a-3ab}{2a}\right)\left(\frac{14a-28b}{7}\right) = \frac{70a^2+140ab-42a^2b+84ab^2}{14a}$$

$$= 2 \left(\frac{35a^2 + 70ab - 21a^2b + 42ab^2}{7a} \right) a$$

12:00

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?

60mph
$$100mph$$
 $\frac{5}{2}-1=\frac{3}{2}-\frac{2}{2}=\frac{3}{2}$
60t = 100t - 100 132 somph 38 $\frac{66}{300}$
100t - 60t = 100 $2:20$ $100mph$ $\frac{86}{160}$
 $100t - \frac{100}{100}$ 100

≈ 클

Name:

Perm Number:

1) Simplify the expression below and write it as a percent.

$$\frac{1}{20} \left(12^{-1} + 18^{-1} \right)^{-1}$$

$$\left(\frac{1}{12} + \frac{1}{18}\right)^{-1} \qquad \frac{1}{12}^{-1} = 12 + \frac{1}{19}^{-1} = 18$$

$$\frac{1}{20} \left(\frac{30}{1}\right) = \frac{30}{20} = \frac{3}{2}$$
30

$$\frac{3}{2} = 1.5$$

1.5%

$$(x-1)(x^3+x^2+x+1)$$

$$x \rightarrow x^{11} + x^{3} + x^{2} + x$$

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?

$$12 \text{ pm } + \frac{100 \text{ (t-1.2)}}{60 \text{ mph}}$$

$$100 \text{ (t-1.2)} = 60 \text{ t}$$

$$100 \text{ t-120} = 60 \text{ t}$$

$$-100 \text{ t}$$

$$-100 \text{ t}$$

$$-120 = -40 \text{ t}$$

$$100 \text{ mills}$$

$$200 \text{ 20 mills}$$

$$200 \text{ 20 mills}$$

$$200 - \frac{3}{120} = \frac{180 \text{ mills}}{180 \text{ mills}}$$

$$200 - \frac{3}{120} = \frac{180 \text{ mills}}{120 \text{ mills}}$$

$$200 - \frac{3}{120} = \frac{180 \text{ mills}}{120 \text{ mills}}$$

$$20 \text{ min } 28.00$$

$$120 - \frac{120}{120} = \frac{120}{120}$$

$$120 - \frac{120}{120} = \frac{180}{120}$$

$$120 - \frac{180}{120} = \frac{180}{120}$$

${\rm Quiz}\ 2$

Name:

Natasha Gauriloff

Perm Number:

6773113

1) Simplify the expression below and write it as a percent.

$$\frac{\frac{1}{20}(12^{-1}+18^{-1})^{-1}}{20\left(\frac{1}{12}+\frac{1}{18}\right)}$$

$$\frac{3}{36}+\frac{2}{36}\left(\frac{5}{36}\right) \rightarrow \frac{36}{5}\cdot\frac{1}{20}\cdot\frac{36}{100}$$

36%

$$(x-1)(x^{3} + x^{2} + x + 1)$$

$$\times \begin{bmatrix} 3 \\ 4 \end{bmatrix} \begin{bmatrix}$$

$$\left(\frac{5a-3ab}{2a}\right)\left(\frac{14a-28b}{7}\right)$$

$$\left(\frac{5}{2}-\frac{3}{2}ab\right)\left(2a-4b\right)$$

$$-\frac{3}{2}ab\left(5a\right)$$

$$2a\left(-\frac{3ab}{5a}\right)$$

$$-\frac{3}{2}ab\left(5a\right)$$

$$-\frac{3}{2}ab\left(5a\right)$$

$$-\frac{3}{2}ab\left(5a\right)$$

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?

3:20 am

Name:

Samantha stuens

Perm Number:

5113980

1) Simplify the expression below and write it as a percent.

$$\frac{1}{20} (12^{-1} + 18^{-1})^{-1}$$

$$\frac{1}{20} \left(\frac{1}{12} + \frac{1}{18} \right)^{-1}$$

$$\frac{1}{20} (12 + 18)$$

$$\frac{1}{20} (30)$$

$$\frac{1}{20} \frac{30}{1} \frac{609}{20} = 30 \%$$

30070

$$(x-1)(x^{3}+x^{2}+x+1)$$

$$x^{4}+x^{3}+x^{2}+x-x^{3}-x^{2}-x-1$$

$$x^{4}-1$$

$$(x^{2}+1)(x^{2}-1)$$

$$(x^{2}+1)(x^{2}-1)(x^{2}+1)$$

$$\left(\frac{5\alpha - 3\alpha b}{2\alpha}\right) \left(\frac{14a^2 - 28b}{7}\right)$$

$$\left(\frac{5 - 3b}{2}\right) \left(\frac{2q - 4b}{1}\right) 2$$

$$(5 - 3b)(4q - 8b)$$

$$20q - 40b - 12ab + 24b$$

$$2$$

$$10q - 20b - 6qb + 12b$$

12 am

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?

In 1 nr
$$\rightarrow$$
 60 miles

60 miles | 60 miles |

Name:

Perm Number: 4984896

1) Simplify the expression below and write it as a percent.

e it as a percent.
$$\frac{1}{20}(12^{-1}+18^{-1})^{-1}$$

$$\frac{1}{20}(12^{-1}+18^{-1})^{-1}$$

$$\frac{1}{20}(-30)$$

$$\frac{1}{20}(-30)$$

$$\frac{1}{20}(-30)$$

$$\frac{1}{20}(-30)$$

$$\frac{1}{20}(-30)$$

$$\frac{1}{20}(-30)$$

150%

$$(x-1)(x^3+x^2+x+1)$$

$$\frac{x^{4} + x^{3} + x^{2} + 1x}{-1x^{3} - x^{2} - 1x - 1}$$



$$\frac{28}{30} \qquad \frac{\left(\frac{5a-3ab}{2a}\right)\left(\frac{14a-28b}{7}\right)}{\frac{14a-28b}{7}} \qquad \frac{70a^2-140ab-42a^3+94a}{14a}$$

$$\frac{14a-28b}{7} \qquad \frac{14a-28b}{7} \qquad \frac{14a-28b}{14a} \qquad \frac{14a-28b}{14a}$$

$$\frac{14a-28b}{7} \qquad \frac{14a-28b}{7} \qquad \frac{14a-28b}{14a} \qquad \frac{14a-28b}{14a}$$

$$\frac{14a-28b}{7} \qquad \frac{14a-28b}{7} \qquad \frac{14a-28b}{14a} \qquad \frac{14a-28b}{7} \qquad \frac{14a-28$$

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy? 6/10 +.25 1. haph

3:20 A

Name:

Granam Alfuson

Perm Number:

4772448

1) Simplify the expression below and write it as a percent.

$$\frac{1}{20}(12^{-1}+18^{-1})^{-1}$$

$$\frac{1}{20}(12+18)^{2}$$

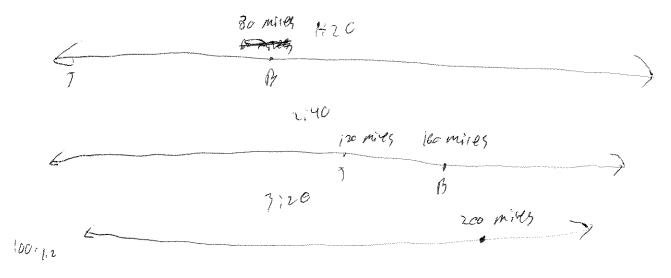
4.5%

$$(x-1)(x^3+x^2+x+1)$$

$$\left(\frac{5a-3ab}{2a}\right)\left(\frac{14a-28b}{7}\right)$$

(6a-3ag/(-45)

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?



7:20

$\operatorname{Quiz}\,2$

Name:

Ray Hernandez

Perm Number:

5714902

1) Simplify the expression below and write it as a percent.

$$\frac{1}{20} (12^{-1} + 18^{-1})^{-1}$$

$$\frac{1}{20} \left(\frac{1}{12} + \frac{1}{18} \right)^{-1}$$

$$\frac{1}{20} \left(\frac{3}{34} + \frac{2}{36} \right)$$

$$\frac{1}{20} \left(\frac{5}{340} \right)^{-1}$$

$$\frac{1}{20} \left(\frac{34}{50} \right) \frac{36}{100}$$

36%

3) Multiply out and simplify, writing the simplified answer in the box.
$$\frac{14}{28}$$
 $\frac{12}{28}$ $\frac{28}{84}$ $\frac{14}{2a}$ $\frac{28}{70}$ $\frac{14a-28b}{7}$ $\frac{28}{140}$ $\frac{14}{52}$ $\frac{3}{140}$ $\frac{3}{52}$ $\frac{3}{140}$ $\frac{3}{140}$

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?

4:20 AM

Name:

Sophia Pan

Perm Number:

6463467

1)-Simplify the expression below and write it as a percent.

$$\frac{1}{20}(12^{-1}+18^{-1})^{-1}$$

$$= \frac{1}{20}(\frac{1}{12}+\frac{1}{18})^{-1}$$

$$= (\frac{1}{20})(\frac{6+4}{72})^{-1}$$

$$= (\frac{1}{70})(\frac{10}{72})^{-1}$$

$$= (\frac{1}{70})(\frac{72}{10})$$

$$= \frac{72}{200}$$

$$= 36\frac{7}{6}$$

72 3×4×6=72

6/72 18 4/72 131

36%

2) Multiply out and simplify. writing the simplified answer in the box.

$$(x-1)(x^3 + x^2 + x + 1)$$

$$x^4 + x^3 + x^4 + x - x^3 - x^4 - x - 1$$

1(8+4+2+1)=15

$$\frac{1}{3} \cdot \frac{2}{3} = \frac{1}{9}$$

$$\frac{(10-18)(^{18}-84)}{4} (\frac{5a-3ab}{2a}) (\frac{14a-28b}{7})$$

$$= (-1)(-\frac{5b}{7})$$

$$= (3)(-\frac{5b}{7})$$

$$= (3)(-\frac{5b}{7})$$

$$= (3)(-\frac{5a-3ab}{7}) (\frac{7(2a-4b)}{7})$$

$$= (5-3b)(2a-2b)$$

$$= (5-3b)(a-2b)$$

$$= (5-3b)(a-2b)$$

5a-10b-3ab+662

00:00

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?

$$\frac{20}{60} = \frac{1}{3}$$

$$\frac{\frac{4}{3} \cdot \frac{1}{60}}{40} = 2h$$

Name:

Paola Salazar

Perm Number:

6515894

1) Simplify the expression below and write it as a percent.

$$\frac{1}{20}(12^{-1}+18^{-1})^{-1}$$

$$\frac{1}{20}(-12-13)^{-1}$$

$$\frac{1}{20}(12-18)$$

$$\frac{1}{20}(-6)$$

$$\frac{3.3}{12.6}$$

337.

$$(x-1)(x^{3}+x^{2}+x+1)$$
 $x^{4}+x^{3}+x^{2}+x-x^{3}-x^{2}-x^{2}-x^{2}-1$
 $x^{4}+x^{3}+x^{2}+x-1$
 $x^{4}+x^{3}+x^{2}+x-1$

$$\frac{\left(\frac{5a-3ab}{2a}\right)\left(\frac{14a-28b}{7}\right)}{\frac{5a-3ab}{2a}\left(\frac{14a-28b}{7}\right)}$$

$$\frac{5a-3ab}{2a}\left(\frac{14a-28b}{7}\right)$$

$$\frac{70a^2-140ab-47a^2b-84ab^2}{14a}$$

$$\frac{14}{85}$$

$$\frac{14}{85}$$

$$\frac{14}{86}$$

$$\frac{114}{84}$$

$$\frac{5a-10ab-3a^2b-6ab^2}{6ab^2}$$

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?

B(-;	Jasovi (100 m)		2710 3710 700m . 306 th	4.7 (400)	mi
12	1 dim	(20m)	30 m	100	Sam
d 60 mph	Uo wsi	120 m	rs0 mi	740 VM1	300 wi

Name:

Jessica Amezcua

Perm Number:

5713481

1) Simplify the expression below and write it as a percent.

$$\frac{1}{20} \left(12^{-1} + 18^{-1} \right)^{-1}$$

$$\frac{1}{20} \left(\frac{18}{216} + \frac{12}{216} \right)$$

$$\frac{1}{20} \left(\frac{30}{216} \right)$$

 $\frac{1}{20}\left(\frac{1}{7.2}\right)$

2) Multiply out and simplify. writing the simplified answer in the box.

12.

$$(x-1)(x^3+x^2+x+1)$$

$$\frac{\left(\frac{5a-3ab}{2a}\right)\left(\frac{14a-28b}{7}\right)}{\left(\frac{7}{7}\right)} = \frac{28a-16b}{2a}$$

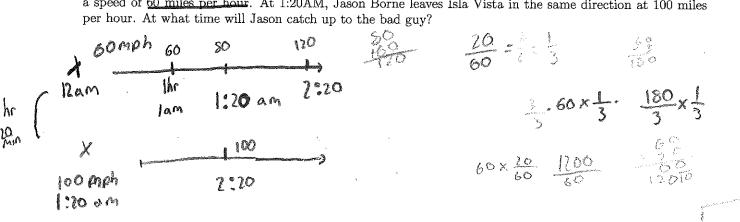
$$\frac{\left(\frac{7}{7}\right)}{\left(\frac{7}{7}\right)} = \frac{\left(\frac{7}{7}\right)}{2a} = \frac{\left(\frac{7}{7}\right)}{2a}$$

$$\frac{\left(\frac{35a-21ab}{14a}\right)}{\left(\frac{7}{7}\right)} = \frac{\left(\frac{28a^2-56ab}{7}\right)}{\left(\frac{7}{7}\right)} = \frac{28a-16b}{28a-16b}$$

$$\frac{\left(\frac{35a-21ab}{7}\right) \times \left(\frac{28a^2-56ab}{7}\right)}{\left(\frac{7}{7}\right)} = \frac{28a-16b}{28a-16b}$$

$$\frac{\left(\frac{35a-21ab}{7}\right) \times \left(\frac{28a^2-56ab}{7}\right)}{\left(\frac{7}{7}\right)} = \frac{28a-16b}{28a-16b}$$

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles



7:50

Name:

Alvaro Marguez

Perm Number:

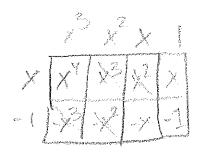
1) Simplify the expression below and write it as a percent.

$$\frac{1}{20} \left(12^{-1} + 18^{-1}\right)^{-1}$$

to 10 100 51. x 30

0.05

$$(x-1)(x^3+x^2+x+1)$$

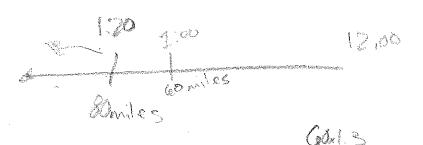




$$\left(\frac{5a-3ab}{2a}\right)\left(\frac{14a-28b}{7}\right)$$

$$\left(2a-4b\right)$$

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?



in 1 Now

2:20

Name:

Sean Andampour

Perm Number:

6120505

1) Simplify the expression below and write it as a percent.

$$\frac{1}{20} (12^{-1} + 18^{-1})^{-1}$$

$$(20^{-1})^{-1}$$

$$(\frac{1}{20})^{-1}$$

$$\frac{1}{20} \frac{1}{20} = \frac{1}{20}$$

$$\frac{1}{20} = \frac{1}{20}$$

100%

$$(x-1)(x^3+x^2+x+1)$$

$$\times^4 + x^2 + x + 1$$

$$\times^4 - 1$$

$$\times^4 - 1$$

$$\frac{56}{2a} \left(\frac{5a - 3ab}{2a}\right) \left(\frac{14a - 28b}{7}\right) \qquad \frac{28}{156}$$

$$\frac{7}{156} \qquad \frac{7}{156} \qquad \frac{128}{26}$$

$$\frac{7}{14a} \qquad \frac{128}{26}$$

$$\frac{7}{14a} \qquad \frac{7}{14a} \qquad \frac{7}{14a}$$

$$\frac{7}{14a} \qquad \frac{7}{14a}$$

$$\frac{7}$$

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?

Name:

Perm Number:

5960857

1) Simplify the expression below and write it as a percent.

$$\frac{1}{20} \left(12^{-1} + 18^{-1} \right)^{-1}$$

$$\frac{1}{20}(30')$$
 $\frac{1}{20} = \frac{30}{10} = \frac{30}{20} = \frac{3}{2}$

3/2

2) Multiply out and simplify. writing the simplified answer in the box.

$$(x-1)(x^{3}+x^{2}+x+1)$$

$$(x-1)(x^{3}+x^{2}+x+1)$$

$$(x-1)(x^{3}+x^{2}+x+1)$$

$$(x^{3}+x^{4}-x^{3}+x^{2}+x+1)$$

$$(x^{3}+x^{4}-x^{3}+x^{4}+x+1)$$

$$(x^{4}+x^{3}+x^{4}+x+1)$$

$$(x^{4}+x^{4}+x+1)$$

X3+2x+2-X

$$\left(\frac{5a-3ab}{2a}\right)\left(\frac{14a-28b}{7}\right) \qquad \left(\frac{5a-3ab}{2a}\right)\left(\frac{14a-28b}{7}\right)$$

$$\left(\frac{5a-3ab}{2a}\right)\left(\frac{14a-28b}{7}\right)$$

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?

1 A hour:

96miles 150miles 210miles 210miles 210miles 210miles 210miles 210miles 210miles 210miles 210miles 20mph

58 = 1:20am 100mph

2 hours in a half

2:50am

3:50 am

Name:

Rebekta Kabel

Perm Number:

5084769

1) Simplify the expression below and write it as a percent.

$$\frac{1}{20} \left(12^{-1} + 18^{-1} \right)^{-1}$$

$$\frac{1}{20} \left(\frac{1}{12} + \frac{1}{18} \right)^{-1} \Rightarrow \frac{1}{20} \left(\frac{5}{36} \right)^{-1} \Rightarrow \frac{1}{20} \left(\frac{36}{5} \right) + \frac{36}{100} = 364.$$

$$\frac{9}{108} + \frac{1}{18} = \frac{5}{108} = \frac{5}{36}$$

$$\frac{18+12}{216} = \frac{30}{216} = \frac{15}{108} = \frac{5}{36}$$

1705

(T)

36°/

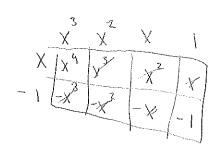
$$(x-1)(x^3+x^2+x+1)$$

$$(x-1)(x^3+x^2+x+1)$$

$$(x-1)(x^3+x^2+x+1)$$

$$(x-1)(x^3+x^2+x+1)$$

$$(x-1)(x^3+x^2+x+1)$$





350-12104-2502-5torb

$$\left(\frac{5a - 3ab}{2a}\right) \left(\frac{14a - 28b}{7}\right)$$

28 28 x 2 5 to

 $\frac{5a - 3ab}{140 \left(\frac{70a^2}{140ab} - \frac{47a^2b}{84ab^2}\right)}$

$$\frac{35a^2 - 21a^2b - 70ab + 42ab^2}{7a}$$

5a-3ab-10b+6b2

(350 /210) (26 A) Aylo

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?

12 60 MPH 1

2 120vh

2:20 100 M

3 180 m 3:70 200 M

bad guy & mile a min 20 min = 20 miles

1AM; 60 miles

1 -

2AM. 120 miles

3 AM. 180 Miles

291m 005:05:8

5.8:100 mph

文: 20 M; 100 miles

3:20:200 mles

3:20 AM



Name:



Ferm Number:

1) Simplify the expression below and write it as a percent.

$$\frac{150}{150} = \frac{1}{20}(12^{-1} + 18^{-1})^{-1} \qquad 28.5$$

$$\frac{3}{100} = \frac{1}{3}(12^{-1} + 18^{-1})^{-1} \qquad 29.5$$

$$(x-1)(x^3+x^2+x+1)$$



$$\left(\frac{5a - 3ab}{2a}\right) \left(\frac{14a - 28b}{7}\right)$$

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?

Irdun Atmsibi

Perm Number:

1) Simplify the expression below and write it as a percent.

$$\frac{1}{20} \left(12^{-1} + 18^{-1}\right)^{-1}$$

1283 (12 18) - 1

=0 (12+18)

3 . 100%

$$(x-1)(x^3+x^2+x+1)$$

$$\left(\frac{5a-3ab}{2a}\right)\left(\frac{14a-28b}{7}\right)$$

$$\left(\frac{5a-3ab}{2a}\right)\left(2a-4b\right)$$

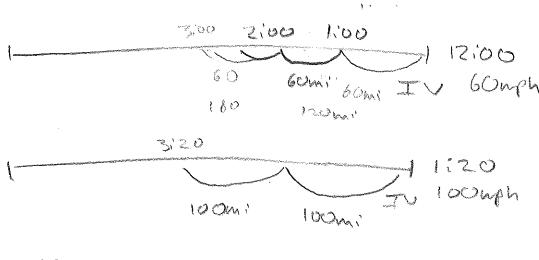
$$2\left(5a-3ab\right)$$

$$2\left(5a-3ab\right)$$

$$10a-6ab$$

$$\left(2a-4b\right)$$

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?



Zizo am

3:00 AM

Name:

Yang	2

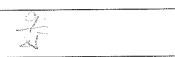
Perm Number:

1) Simplify the expression below and write it as a percent.

$$\frac{\frac{1}{20} (12^{-1} + 18^{-1})^{-1}}{\frac{1}{20} (\frac{3}{36} + \frac{2}{36})^{-1}}$$

$$= \frac{3}{20} (\frac{3}{5} + \frac{2}{36})$$

$$= \frac{9}{25}$$



$$(x-1)(x^{3}+x^{2}+x+1)$$

$$= x^{4}+x^{2}+x^{2}+x^{2}+x^{2}-x^{2$$

$$\frac{\left(\frac{5a-3ab}{2a}\right)\left(\frac{14a-28b}{7}\right)}{2a} = \frac{\left(3-3b\right)\left(\frac{3a-4b}{7}\right)}{2a} = \frac{\left(3-3b\right)\left(\frac{3a-4b}{7}\right)}{2a} = \frac{\left(3-3b\right)\left(2a-4b\right)}{2a} = \frac{\left(3-3b\right)\left(2a-4$$

Ja-lob-3ab+66

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?

80 min 80 mile

Name:

Anyi Zhao

Perm Number:

1307060

1) Simplify the expression below and write it as a percent.

$$\frac{1}{20} (12^{-1} + 18^{-1})^{-1}$$

$$= \frac{1}{20} \left(\frac{1}{12} + \frac{1}{18} \right)$$

$$= \frac{1}{20} \left(\frac{3}{36} + \frac{2}{36} \right)$$

$$= \frac{1}{20} \left(\frac{3}{36} \right)$$

$$\frac{9}{25}$$
 X100 = $\frac{900}{25}$ %
= 36%

2) Multiply out and simplify. writing the simplified answer in the box.

$$(x-1)(x^{3} + x^{2} + x + 1)$$

$$= x^{4} + x^{5} + x^{5} + x^{5} - x^{5} - x^{5}$$

$$= x^{4} - 1$$

36%

$$\frac{14}{2a} \left(\frac{5a-3ab}{2a}\right) \left(\frac{14a-28b}{7}\right)$$
= $(5a-3ab) (14a-12b)$
= $(5a-3ab) (14a-12b)$
= $(14a-5a-28b-5a-3ab-14a+3ab-28b)$

$$\frac{14}{4b} = (70a^2-140ab-41ab+84b^2)$$

$$\frac{14a}{64} = (70a^2-140b-41ab+84b^2)$$

$$\frac{14a}{64} = (70a^2-140b-3ab+6b^2)$$

$$\frac{14a}{64} = (70a^2-140b-3ab+6b^2)$$

$$\frac{14a}{64} = (70a^2-140b-3ab+6b^2)$$

$$\frac{14a}{64} = (70a^2-140b-3ab+6b^2)$$

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?

if it will take x Minutes of time for Jason to cotch up to the boolgry

UB 100

$$60 \cdot (X + 80) = (00 \times 100 \times 100$$

Name:

Mason Novigomery

Perm Number:

392956

1) Simplify the expression below and write it as a percent.

$$\frac{\frac{1}{20}(12^{-1}+18^{-1})^{-1}}{\frac{1}{20}(12^{'}+18^{'})}$$

$$\frac{1}{20}(30)$$

$$\frac{30}{20}$$

3/2

$$(x-1)(x^3+x^2+x+1)$$
 $x^4+x^3+x^2+x+1$

$$\frac{\left(\frac{5a-3ab}{2a}\right)\left(\frac{14a-28b}{7}\right)}{35a-21ab}$$

$$\frac{35a-21ab}{28a^2-56ab}$$

$$\frac{36}{28a^2}$$

$$\frac{35a}{28a^2-35ab}$$

$$\frac{35}{28a-35ab}$$

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?

150

Name:

Zun Huan

Perm Number:

3926409

1) Simplify the expression below and write it as a percent.

$$\frac{1}{20} \left(12^{-1} + 18^{-1} \right)^{-1}$$

$$2 \sqrt{\frac{1}{(12^{-1} + 1)^{-1}}}$$

$$(x-1)(x^{3} + x^{2} + x + 1)$$

$$x^{4} + x^{3} + x^{2} + x + 1$$

$$x^{4} + x^{3} + x^{2} + x + 1$$

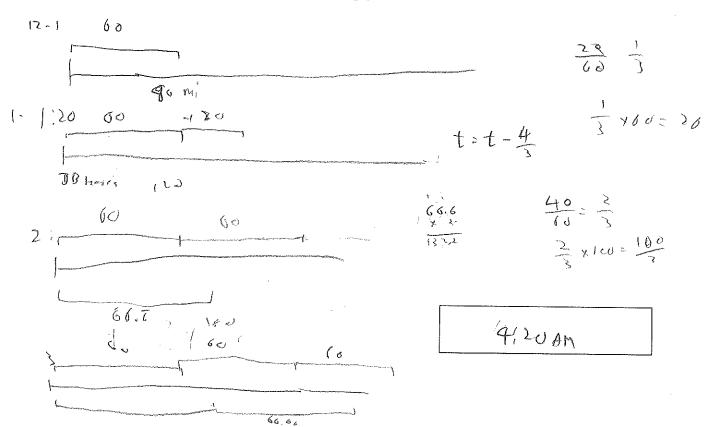
$$\left(\frac{5a-3ab}{2a}\right)\left(\frac{14a-28b}{7}\right)$$

$$a\left(\frac{5-3b}{2a}\right)7\left(2a-4b\right)$$

$$a\left(\frac{5-3b}{2a}\right)7\cdot 2(a-2b)$$

$$\left[4a\left(\frac{5-3b}{2}\right)(a-2b)\right]$$

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?



Quiz 2 Im sorry inadvance:)

Name:

Nicholas Prasad

Perm Number:

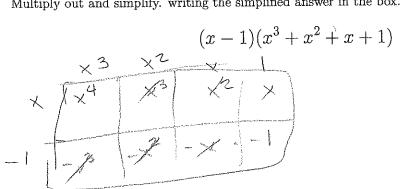
563575

1) Simplify the expression below and write it as a percent.

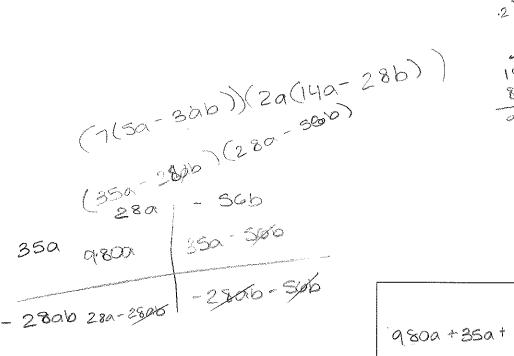
$$\frac{\frac{1}{20}(12^{-1}+18^{-1})^{-1}}{\frac{1}{20}(\frac{1}{12}+\frac{1}{18})^{-1}}$$

6%

$$(x-1)(x^3+x^2+x+1)$$



$$\cdot \left(\frac{5a-3ab}{2a}\right)\left(\frac{14a-28b}{7}\right)$$



4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?

Name:

Ava Gurwitt Perm Number:

8686594

1) Simplify the expression below and write it as a percent.

$$\frac{1}{20}(12^{-1}+18^{-1})^{-1}$$

$$\frac{1}{20}\left(\frac{1}{12}+\frac{1}{18}\right)^{-1}$$

$$\frac{1}{20}\left(\frac{3}{36}+\frac{2}{36}\right)$$

$$\frac{1}{20}\left(\frac{9}{36}+\frac{2}{36}\right)$$

$$\frac{1}{20}\left(\frac{9}{36}+\frac{2}{36}\right)$$

$$\frac{1}{20}\left(\frac{9}{36}+\frac{2}{36}\right)$$

$$\frac{1}{20}\left(\frac{9}{36}+\frac{2}{36}\right)$$

2) Multiply out and simplify. writing the simplified answer in the box.

X+ + 1 + 1 + 1 + 1 - 1 - 1 $(x-1)(x^3+x^2+x+1)$

$$\left(\frac{5a-3ab}{2a}\right)\left(\frac{14a-28b}{7}\right)$$

$$\frac{(2a-4b)}{(2a-4b)} = \frac{70a^2-140ab-42a^2b+84ab^2}{6a-10b-3ab+6b^2}$$

$$10a - 6ab - 20b + 12b^2$$

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?

80

140

200

200

	1	(*20
2	Bad	Jason 2:20
	80%	100
2	140	238 100
3	200	300 200
4	260,00	20 200
 G)	320	400
6		

3:20 am

Name:

Jessica Taghizadeh

Perm Number:

6681472

1) Simplify the expression below and write it as a percent.

$$\frac{1}{20} \left(\frac{1}{12} + \frac{1}{18} \right)^{-1}$$

$$\frac{1}{20} \left(\frac{1}{12} + \frac{1}{18} \right)^{-1}$$

$$\frac{1}{20} \left(\frac{30}{1} \right) \xrightarrow{30} \xrightarrow{30} \xrightarrow{9} \frac{1}{12}$$

1/2

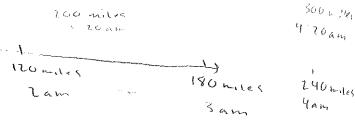
$$(x-1)(x^3+x^2+x+1)$$

$$x^4+x^3+x^4+x^4+x^4+1$$

$$\left(\frac{5a-3ab}{2a}\right)\left(\frac{14a-28b}{7}\right)$$

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?

1.26an 100 miles 112:00am 60 miles 12:00am



100 miles = 20 miles per 20 min

$$\frac{180}{200} = \frac{9}{10} \quad \text{if an how} = \frac{$$

3:20 am

 ${\rm Quiz}\ 2$

Name:

Ricardo Re la Cabada

Perm Number:

899098-4

1) Simplify the expression below and write it as a percent.

$$\frac{1}{20} (12^{-1} + 18^{-1})^{-1}$$

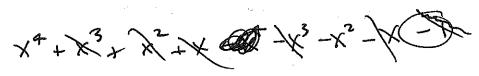
$$\frac{1}{20} (12 + 18)$$

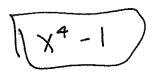
$$\frac{1}{20} (30)$$

$$\begin{array}{c} 36 \\ \hline 20 \\ \hline 3 \\ \hline 2 \\ \end{array}$$

3/2

$$(x-1)(x^3+x^2+x+1)$$





$$\left(\frac{5a-3ab}{2a}\right)\left(\frac{14a-28b}{7}\right)$$

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?

60 mgh

1-earch = 12:00 am

peres

Bood gus 33 7:00 am (:20 am 60 mpts 100 mpss

how 1 = 100 hav 1 = 140

1 hars + 1: 20 an

go miles when 16 leaves

100 men = 100 131 150 165

3:20 am

Name:

Candice Moreno

Perm Number:

8930445

Section: tuesday & am

1) Simplify the expression below and write it as a percent.

$$\frac{\frac{1}{20}(12^{-1}+18^{-1})^{-1}}{\frac{1}{20}(\frac{1}{12}+\frac{1}{19})^{-1}} .100$$

$$.69400$$

$$5\left(\frac{1}{12}+\frac{1}{18}\right)^{-1}$$
 %

$$(x-1)(x^3+x^2+x+1)$$
 $x^4+x^2+x^2+x^2+x-1$
 x^4-1

$$\frac{5a - 3ab}{2a} \left(\frac{14a - 28b}{7}\right)$$

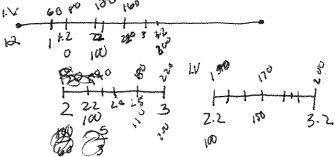
$$\frac{6a - 3ab}{2a} \left(2a + 4b\right) \cdot 2a$$

$$\left(5a - 3ab\right) \left(4a^{2} + 8ab\right)$$

$$26a^{3} + 5a0a^{2}b - 12a^{3}b - 24a^{2}b^{2}$$

$$= 20a^3 + 40a^2b - 12a^3b - 24a^2b^2$$

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?



Taylor	Iden
1	

Name:

Perm Number: 570941-5

1) Simplify the expression below and write it as a percent.

$$\frac{1}{20} \left(12^{-1} + 18^{-1} \right)^{-1}$$

$$\frac{1}{20} \cdot \left(\frac{1}{2} + \frac{1}{18}\right)^{-1}$$

$$\frac{1}{20} \cdot \left(\frac{12 + 18}{18}\right)$$

$$\frac{1}{20} \cdot \left(\frac{12 + 18}{20}\right)$$

$$\frac{30}{20} = \frac{2}{2} = 1.5$$
of 150%

1150%

$$(x-1)(x^3+x^2+x+1)$$
 $x^4+x^2+x^3+x^4-x^2-x^2-1$
 $(x-1)(x^3+x^2+x+1)$



$$\left(\frac{5a-3ab}{2a}\right) \cdot \left(\frac{14a-28b}{7}\right)$$

12(-3a2+662+Sa-206)

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?

what time will Jason catch up to the bad guy?
$$lam$$
 $2am$ $3an$ $3an$ $4ah$ 60 mph a $|2am$ a $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$ $|20$

3

Name:

Aly Brownle

Perm Number: 4141493

1) Simplify the expression below and write it as a percent.

$$\frac{1}{20}\left(\frac{1}{12} + \frac{1}{18}\right) = \frac{1}{20}\left(\frac{1}{106}\right) = \frac{1}{2160}$$

$$\Rightarrow \frac{1}{20}\left(\frac{1}{12} + \frac{1}{18}\right) = \frac{1}{20}\left(\frac{1}{106}\right) = \frac{1}{2160}$$

$$\Rightarrow \frac{1}{20}\left(\frac{1}{12} + \frac{1}{18}\right) = \frac{1}{2160}$$

$$\frac{1}{20}(12^{-1}+18^{-1})$$

$$\Rightarrow \frac{1}{20} \left(\frac{2}{216} \right) = 7 \frac{1}{2160}$$

$$= 7 \frac{1}{20} \left(\frac{1}{108} \right) \left(\frac{1}{2160} \right) \frac{1}{2160} \cdot \frac{1}{100} = \frac{1}{4} \cdot \frac{1}{4} = \frac{1}{4} = \frac{1}{4} \cdot \frac{1}{4} = \frac{1}{4} = \frac{1}{4} \cdot \frac{1}{4} = \frac{1}{4} =$$

$$= \frac{1}{20} \left(\frac{1}{108} \right)$$

1 2160

$$(x-1)(x^3 + x^2 + x + 1)$$

$$\frac{\left(\frac{5a-3ab}{2a}\right)\left(\frac{14a-28b}{7}\right)}{2a}$$

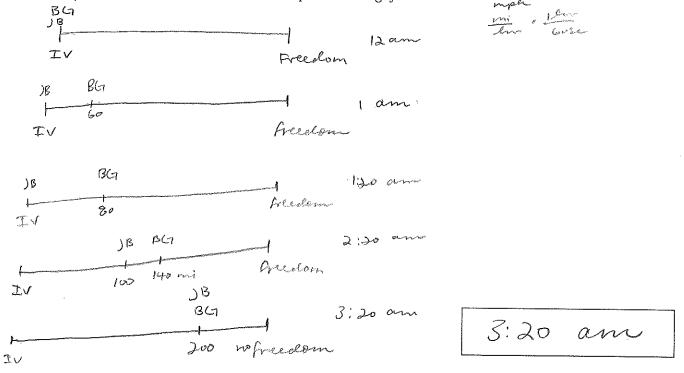
$$= 7 \quad 70a^{2} - 140ab - 42a^{2}b + 84ab^{2}$$

$$= 7 \quad 2a \left(35a - 70b - 21ab + 42b^{2}\right)$$

$$= 7 \quad 4\left(5a - 10b - 3ab + 6b^{2}\right)$$

$$= 7 \quad 4\left(5a - 10b - 3ab + 6b^{2}\right)$$

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?

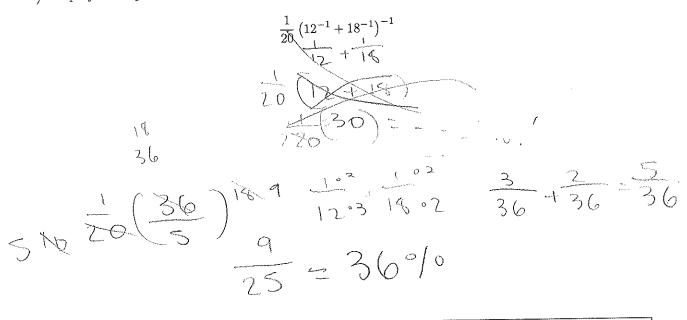


Name:

104 Clark

Perm Number: | 5|55312

1) Simplify the expression below and write it as a percent.



36%

$$(x-1)(x^3+x^2+x+1)$$

$$\times^4+\times^3+\times^2+\times-1$$

$$\frac{\left(\frac{5a-3ab}{2a}\right)\left(\frac{14a-28b}{8}\right)\left(\frac{5-3b}{2}\right)\left(\frac{12-4b}{8}\right)}{\left(\frac{5a-3ab}{2a}\right)\left(\frac{2a-4b}{8}\right)} = \frac{\left(\frac{5a-3ab}{2a}\right)\left(\frac{2a-4b}{8}\right)}{\left(\frac{5a-3ab}{2a}\right)\left(\frac{2a-4b}{2a}\right)} = \frac{\left(\frac{5a-3ab}{2a}\right)\left(\frac{2a-4b}{8}\right)}{\left(\frac{5a-3ab}{2a}\right)\left(\frac{2a-4b}{2a}\right)} = \frac{\left(\frac{5a-3ab}{2a}\right)\left(\frac{2a-4b}{2a}\right)}{2a} = \frac{\left(\frac{5a-3ab}{2a}\right)\left(\frac{aa-4b}{2a}\right)}{2a} = \frac{\left(\frac{5a-3ab}{2a}\right)}{2a} = \frac{\left(\frac{5a-3ab}{2a}\right)\left(\frac{aa-4b}{2a}\right)}{2a} = \frac{\left(\frac{5a-3ab}{2a}\right)\left(\frac{aa-4b}{2a}\right)}{2a} = \frac{\left(\frac{5a-3ab}{2a}\right)\left(\frac{aa-4b}{2a}\right)}{2a} = \frac{\left(\frac{5a-3ab}{2a}\right)\left(\frac{aa-4b}{2a}\right)}{2a} = \frac{\left(\frac{5a-3ab}{2a}\right)\left(\frac{aa-4b}{2a}\right)}{2a} = \frac{\left(\frac{5a-3ab}{2a}\right)}{2a} = \frac{\left(\frac{5a-3ab}{2a}\right)}{2a}$$

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles

· 2	19	2 3 6	
1	6		
 	h		

Name: Shalz

Perm Number: 529518 - 3

1) Simplify the expression below and write it as a percent.

 $\frac{3}{3}$ $\frac{1}{18}$ $\frac{7}{7}$

 $\frac{3}{36} + \frac{2}{36} = \frac{5}{36}$

1 = 36 1.36

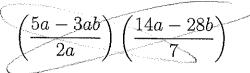
$$\frac{1}{20} \left(12^{-1} + 18^{-1}\right)^{-1}$$

 $\frac{1}{20} \left(12^{-1} + 18^{-1}\right)$ $\frac{1}{20} \left(\frac{5}{36}\right)$ $\frac{1}{20} \left(\frac{5}{36}\right)$

 $\frac{1}{20} \left(\frac{1}{12} + \frac{1}{16} \right)$

2) Multiply out and simplify. writing the simplified answer in the box.

 $(x-1)(x^3+x^2+x+1)$



= 2803 - 35e - 35eb

7(5a-3ab) = 2(14a-266)

354-2105 = 262-56-6

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?

JB slods St + 20 min 120 270 300 213 24 1120 1 4

817 +20 m

@ 3:100 led gry = 200 miles energy 1:70+26 JE : 200 viles away

3:20 M

Name:

Marc Nunez

Perm Number:

1) Simplify the expression below and write it as a percent.

$$\frac{1}{20} \left(12^{-1} + 18^{-1} \right)^{-1}$$

$$\frac{1}{20}\left(\frac{1}{12} + \frac{1}{18}\right)^{-1} \cdot 100$$

$$(x-1)(x^3+x^2+x+1)$$

$$\left(\frac{5a - 3ab}{2a}\right) \left(\frac{14a - 28b}{7}\right)$$

$$(\frac{5-3b}{2})(\frac{14a-28b}{7})$$

$$(\frac{5-3b}{2})(2a-4b)$$



$$(\frac{5-3b}{2})(2a-4b)$$

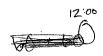
 $(\frac{5-3b}{2})$ $(2a-2b)$

$$(5-3b) \cdot (a-2b)$$

 $(5-3b) \cdot (a-2b)$
 $5a-10b-3ab+6b^2$

$$5a - 10b - 3ab + 6b^2$$

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?

















Name:

Zoe Albornoz

Perm Number:

6497796

1) Simplify the expression below and write it as a percent.

$$\frac{1}{20} (12^{-1} + 18^{-1})^{-1}$$

$$\frac{1}{20} \left(\frac{1}{12} + \frac{1}{18}\right)^{-1}$$

$$\frac{1}{20} \left(\frac{3}{36} + \frac{2}{36}\right)^{-1}$$

$$\frac{1}{20} \left(\frac{36}{6}\right)^{-5} \frac{36}{100}$$

36%

$$(x-1)(x^{3}+x^{2}+x+1)$$

$$x^{4}+x^{3}+x^{2}+x-x^{3}-x^{2}-x-1$$

$$\frac{\left(\frac{5a-3ab}{2a}\right)\left(\frac{14a-28b}{7}\right)}{2}$$

$$\frac{(3a-3ab)}{7}\left(\frac{2(7a-14b)}{7}\right)$$

$$\frac{(3a-3ab)}{7}\left(\frac{2(7a-14b)}{7}\right)$$

$$\frac{(3a-3ab)}{7}\left(\frac{2(7a-14b)}{7}\right)$$

$$\frac{(3a-14b)}{7}\left(\frac{3a-14b}{7}\right)$$

$$\frac{(3a-14b)}{7}\left(\frac{3a-14b}{7}\right)$$

$$\frac{(3a-14b)}{7}\left(\frac{3a-14b}{7}\right)$$

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?

3:40 mm

Name:

Maya cooks

Perm Number:

6389730

1) Simplify the expression below and write it as a percent.

$$\frac{\frac{1}{20}(12^{-1}+18^{-1})^{-1}}{20(30)}$$

$$\frac{1}{20(30)} \cdot 20 \qquad 20^{-1} \left(\frac{1}{12}+18^{-1}\right)^{-1}$$

$$\frac{1}{20(30)} \cdot 20 \qquad 20^{-1} \left(\frac{1}{12}+18\right)$$

$$\frac{1}{20} \cdot \frac{30}{20} - \frac{30}{20} \cdot \frac{3}{20} \cdot \frac{1}{20} \cdot \frac{1}{20} \cdot \frac{1}{20} \cdot \frac{1}{30}$$

$$\frac{1}{20} \cdot \frac{30}{20} - \frac{30}{20} \cdot \frac{3}{20} \cdot \frac{1}{20} \cdot \frac{1}{20} \cdot \frac{1}{30} \cdot \frac{$$

1.5% or 15%

2) Multiply out and simplify. writing the simplified answer in the box.

X⁴ -1

$$7.\left(\frac{5a-3ab}{2a}\right)\left(\frac{14a-28b}{7.20}\right)^{2a}$$

$$1176a^{2}$$

$$-1960a^{2}b$$

$$-598a^{3}b$$

$$-2598a^{5}b^{2}$$

$$-598a^{3}b$$

$$1176a^{2}$$

$$+-2598a^{5}b^{2}$$

$$-1960+C-588$$

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?

Bad Guy

Distore

IV

GOMPH

120M

0°590nce

$$100 \text{ m°1es} (t-1.20)$$

 $60t-60 = 100(t-1.20)$
 $609-60 = 100t-101.20$
 $60t=41.20$

Name:

Elika takudi

Perm Number:

2947280

1) Simplify the expression below and write it as a percent.

$$\frac{1}{20} (12^{-1} + 18^{-1})^{-1} \qquad \frac{152}{10}$$

$$\frac{1}{70} (12^{-1} + 18^{-1})^{-1}$$

$$\frac{1}{70} (\frac{3}{36}, \frac{2}{36})$$

$$\frac{1}{70} (\frac{3}{36}, \frac{2}{36})$$

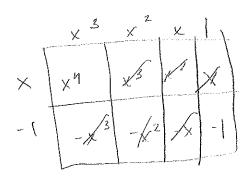
$$\frac{1}{70} (\frac{5}{36}, \frac{3}{36})$$

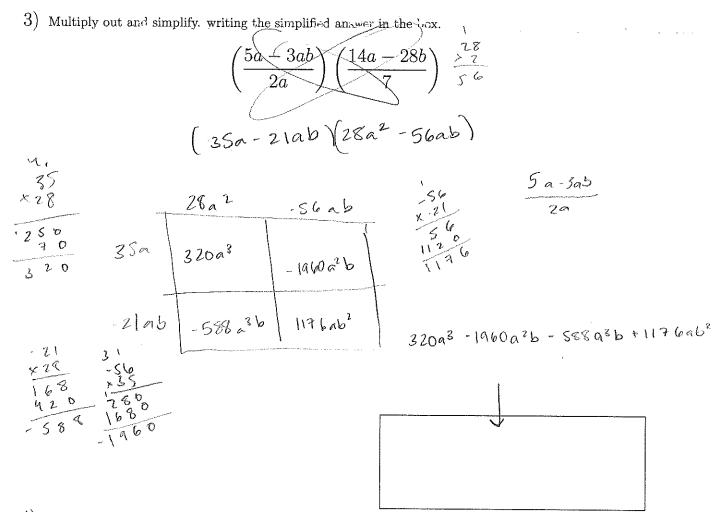
$$\frac{35}{100} (\frac{5}{36}, \frac{3}{36})$$

$$\frac{35}{100} (\frac{5}{36}, \frac{3}{36})$$

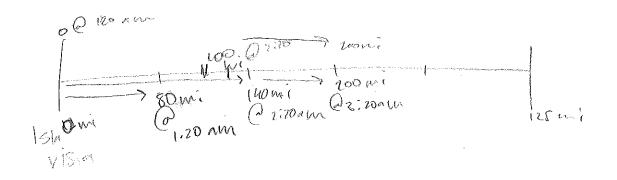
361.

$$(x-1)(x^3+x^2+x+1)$$





4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?



3:20 am

Name:

Harper Giordano

Perm Number:

5884150

1) Simplify the expression below and write it as percent,

$$\frac{1}{20} \left(12^{-1} + 18^{-1} \right)^{-1}$$

$$\frac{1}{20}\left(\frac{1}{12} + \frac{1}{18^n}\right)^{-1}$$

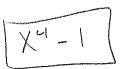
$$\frac{9}{25} = \frac{36}{100} = 36\%$$

36%

2) Multiply out and simplify. writing the simplified answer in the box.

$$(x-1)(x^3+x^2+x+1)$$

x4+x+x-13-12-11-1

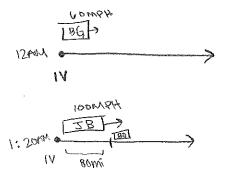


$$\left(\frac{5a-3ab}{2a}\right)\left(\frac{14a-28b}{7}\right)$$

$$[5a-10b-3ab+6b^2]$$

13 WW

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?



$$60t + 80 = 100t$$

 $80 = 40t$
 $1 = 2$
 $12hvs + 1:20m \rightarrow 3:20m$

Gom Jahr = 80mi

Ihr 20 mins

3:20 AM

Name:

Dariela Runiret

Perm Number:

6163299

1) Simplify the expression below and write it as a percent.

$$\frac{1}{20} \left(12^{-1} + 18^{-1} \right)^{-1}$$

$$\frac{1}{20}$$
 (7.2)

36%

$$(x-1)(x^3+x^2+x+1)$$

$$\left(\frac{5a - 3ab}{2a}\right) \left(\frac{14a - 28b}{7}\right)$$

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?

per hour. At what time will Jason catch up to the bad guy?

1:00 AM

1:00 A

* Tuesday 8AM Section Quiz 2

Name:

Isabella Bishop

Perm Number:

3760204

1) Simplify the expression below and write it as a percent.

plify the expression below and write it as a percent.

$$\frac{1}{20}(12^{-1}+18^{-1})^{-1} \qquad \frac{1}{20}\left(\frac{1}{12}+\frac{1}{18}\right)^{-1}$$

$$\frac{1}{20}\left(\frac{1}{12}+\frac{1}{18}\right)^{-1} \qquad \frac{1}{20}\left(12+18\right)^{-1} \frac{3}{20}\left(\frac{30}{1}\right)$$

$$\frac{1}{20}\left(\frac{1}{12}+\frac{1}{18}\right)^{-1} \qquad \frac{1}{20}\left(12+18\right)^{-1} \frac{3}{20}\left(\frac{30}{12}+18\right)$$

$$\frac{1}{20}\left(\frac{1}{12}+\frac{1}{18}\right)^{-1} \qquad \frac{1}{20}\left(12+18\right)$$

$$\frac{1}{20}\left(\frac{1}{12}+\frac{1}{18}\right)^{-1} \qquad \frac{1}{20}\left(12+18\right)$$

$$\frac{1}{20}\left(\frac{1}{216}+\frac{1}{216}\right)^{-1} = \left(\frac{1}{20}\right)\left(\frac{216}{30}\right)$$

$$\frac{1}{20}\left(\frac{30}{216}\right)^{-1} = \left(\frac{1}{20}\right)\left(\frac{216}{30}\right)$$

$$\frac{1}{20}\left(\frac{3}{36}\right)^{-1} \qquad 1.5^{\circ}/6$$

$$(x-1)(x^3+x^2+x+1)$$

(5a-3ab) x (2a-4b)

4

10 a2 - 20ab - 6a26

Multiply out and simplify, writing the simplified answer in the box.

$$\left(\frac{5a - 3ab}{2a}\right) \left(\frac{14a - 28b}{2a}\right) = \frac{10a^2 - 20ab + 12ab^2}{14a}$$

$$7(5a-3b) = 2a(14a-28b)$$

$$35a-2/b = 28a^{2}-56ab+21b$$

$$+7/b$$

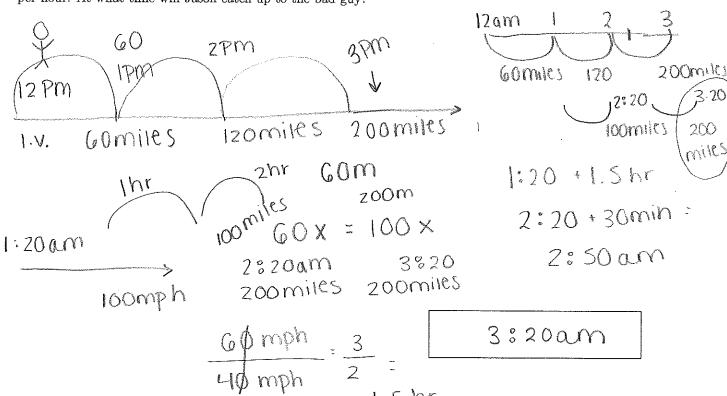
$$35a=28a^{2}-56ab+21b-35a$$

$$(5a-3ab)(2a-4b)$$

$$(5a-3ab)(2a-4b)$$

$$\frac{+12b}{2}$$
 $5a^2 - 10ab - 3a^2b + 6b$

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?



Name:

Desiree Espinoza

Perm Number:

4736211

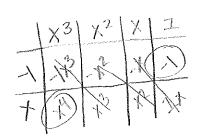
1) Simplify the expression below and write it as a percent.

$$\frac{1}{20} \left(12^{-1} + 18^{-1} \right)^{-1}$$

$$\frac{1}{20} + \frac{20}{20}$$

30%

$$(x-1)(x^3+x^2+x+1)$$



$$-\sqrt{\frac{5a-3ab}{2a}\left(\frac{14a-28b}{7}\right)}$$

$$\left(\frac{709^2}{2a}\right)\left(\frac{84ab^2}{7}\right)$$

35a+2ab2

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?

bad Guy 12 am 60 mph Jason Bane
1:20 Am
100 mph

100 huby 11:30

60 +60 120 IMMby

1 am - 120

1:32 A.M

Name:

Nathan Starkovich

Perm Number:

4	(20)	3

1) Simplify the expression below and write it as a percent.

$$\frac{1}{20} (12^{-1} + 18^{-1})^{-1}$$

$$\frac{1}{20} \left(\frac{1}{12} + \frac{1}{18} \right)$$

$$\frac{1}{20} \left(\frac{5}{36} \right)$$

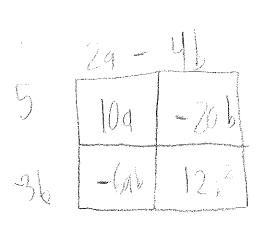
$$\frac{1}{20} \left(\frac{36}{5} \right)$$

36%

$$(x-1)(x^3+x^2+x+1)$$

$$(x-1)(x^3+x^2+x+1)$$

$$(x-1)(x^3+x^2+x+1)$$



$$\left(\frac{5a-3ab}{2a}\right)\left(\frac{14a-28b}{7}\right)$$

$$\left(\frac{5-3b}{2}\right)\left(\frac{24-4b}{7}\right)$$

$$\left(\frac{3a-3ab}{7}\right)\left(\frac{24-4b}{7}\right)$$

$$\left(\frac{3a-3ab}{7}\right)\left(\frac{24-4b}{7}\right)$$

$$\left(\frac{3a-4b}{7}\right)\left(\frac{3a-4b}{7}\right)$$

$$\left(\frac{3a-4b}{7}\right)\left(\frac{3a-4b}{7}\right)$$

$$\left(\frac{3a-4b}{7}\right)\left(\frac{3a-4b}{7}\right)$$

$$\left(\frac{3a-4b}{7}\right)\left(\frac{3a-4b}{7}\right)$$

$$\left(\frac{3a-4b}{7}\right)\left(\frac{3a-4b}{7}\right)$$

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?

$$0x = 100(x - \frac{1}{3})$$
 $3x = x - \frac{1}{3}$
 $3x = 5x - \frac{29}{3}$
 $3x = 2x = -\frac{20}{3}$
 $3x = \frac{1}{3}$
 $3x = \frac{1}{3}$

3.0 AM

Name:

WCIA CARLAMO

Perm Number:

6185195

1) Simplify the expression below and write it as a percent.

$$\frac{1}{20}(12^{-1}+18^{-1})^{-1} \times 12$$

$$\frac{1}{10}(\frac{1}{12}+\frac{1}{18})^{-1} \times 12$$

$$\frac{1}{10}(\frac{18}{12}+\frac{12}{18})^{-1} \times 136$$

$$\frac{1}{10}(\frac{18}{180}+\frac{12}{216})^{-1} \times 1608$$

$$\frac{1}{10}(\frac{30}{216})^{-1} \times 1608$$

$$\frac{1}{10}(\frac{216}{30})$$

$$\frac{1}{10}(\frac{216}{30})$$

$$\frac{1}{10}(\frac{216}{30})$$

$$\frac{1}{10}(\frac{216}{30})$$

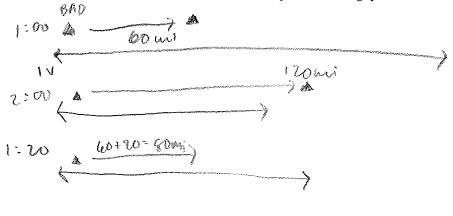
$$\frac{1}{10}(\frac{216}{30})$$

$$(x-1)(x^{3} + x^{2} + x + 1)$$

$$x^{4} + x^{4} + x^{4} + x^{5} - x^{5}$$

$$\left(\frac{5a - 3ab}{2a}\right) \left(\frac{14a - 28b}{7}\right)$$

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?



Name:

Yustphi Saeed

Perm Number:

4744215

1) Simplify the expression below and write it as a percent.

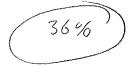
$$\frac{1}{20} \left(12^{-1} + 18^{-1} \right)^{-1}$$

$$\frac{1}{20} \cdot \left(\frac{1}{12} + \frac{1}{18}\right)^{-1}$$

$$\frac{1}{20} \cdot \left(\frac{3}{36} + \frac{2}{36}\right)^{-1}$$

$$\frac{1}{20} \cdot \left(\frac{5}{36}\right)^{-1}$$

$$\frac{1}{20} \cdot \frac{36}{5}$$



36 %

$$(x-1)(x^3+x^2+x+1)$$

$$\left(\frac{5a - 3ab}{2a}\right) \left(\frac{14a - 28b}{7}\right)$$

$$\frac{10a^{2} + 12ab^{2} - 6a^{2}b - 20ab}{2a}$$

$$\frac{5a^{2} + 6ab^{2} - 3a^{2}b - 10ab}{2a}$$

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?

$$60t = 100(t - \frac{4}{3}) \qquad \begin{cases} 6 & 4 \\ 5 & 1:20 \rightarrow 2:00 \rightarrow 3:00 \rightarrow 4:00 \rightarrow 4:40 \end{cases}$$

$$60t = 160t - \frac{46c}{3} \qquad \qquad 40 \qquad 6c \qquad 60 \qquad 40$$

$$-40t = -133 \qquad 3.3 \times 60 \qquad \qquad 2c0$$

3:20 am

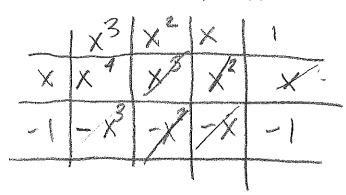
Name:

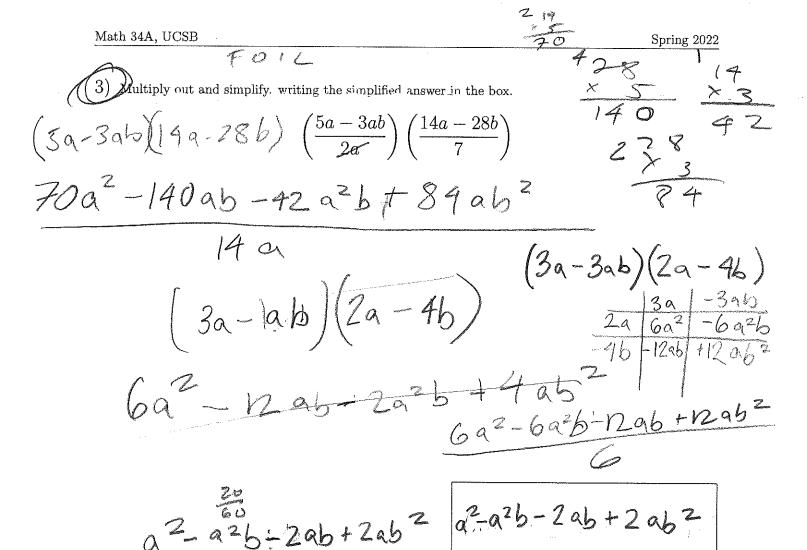
Perm Number: 5/00805

1) Simplify the expression below and write it as a percent.

e it as a percent.
$$\frac{1}{20} \left(12^{-1} + 18^{-1} \right)^{-1}$$

$$(x-1)(x^3+x^2+x+1)$$





4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?

3:20 am

Name:

Victoria McNabb

Perm Number:

5171038

1) Simplify the expression below and write it as a percent.

$$\frac{\frac{1}{20}(12^{-1}+18^{-1})^{-1}}{\frac{18}{20}} = \frac{1}{\frac{1}{20}} \times \frac{12^{-1}+18^{-1}}{1} = \frac{30}{20} = \frac{3}{2} = 1.5, \times 100 = 150^{\circ}/.$$

150 %

$$(x-1)(x^{3}+x^{2}+x+1)$$

$$x^{4}+x^{3}+x^{2}+x+1$$

$$x^{4}-1$$

$$\left(\frac{5a - 3ab}{2a}\right)\left(\frac{14a - 28b}{7}\right) \qquad (5a - 3ab)(14a - 28b)$$

$$= 35a^{2} - 70ab - 21a^{2}b + 42ab^{2}$$

$$= 7a$$

$$5a^{2} - 10ab - 3a^{2}b + 6ab^{2}$$

181

$$= \frac{5a^{2}-10ab-3a^{2}b+bab^{2}}{a}$$

$$=$$
 5a - 10b - 3ab + 6b²

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?

Name:

Breanna Flores

Perm Number:

4283842

1) Simplify the expression below and write it as a percent.

$$\frac{1}{20}(12^{-1}+18^{-1})^{-1}$$

$$\frac{1}{20}(\frac{1}{12},\frac{1}{18})^{-1}$$

$$\frac{1}{20}(\frac{3}{12},\frac{2}{18})^{-1}$$

$$\frac{1}{20}(\frac{3}{12},\frac{2}{18})^{-1}$$

$$\frac{1}{20}(\frac{3}{12},\frac{2}{18})^{-1}$$

$$\frac{1}{20}(\frac{3}{20},\frac{2}{20})$$

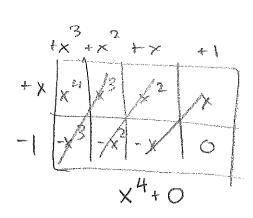
$$\frac{1}{20}(\frac{$$

 $\frac{1}{30} \times \frac{36}{5} = \frac{36}{100} : 2 = \frac{13}{50}$

2690

(50 2) Multiply out and simplify. writing the simplified answer in the box.

 $(x^4 + 1)$ $(x^3 + x^2 + x + 1)$ $(x^4 + 1)$ $(x^4 + 1)$ $(x^4 + 1)$



$$\left(\frac{5a - 3ab}{2a}\right) \left(\frac{14a - 28b}{7}\right)$$

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?

BG JB d=r.6 40/120 10060mph 100mph $\times 1.20$ 12:00pm 1:20am d+d=0080(6) 100(6-1.20)00

12:00 60miles 606=1006-120.012:00 120=40612:00 120=40612:00 120=40612:00 120=40613:00 120=40613:00 120=406140 120=40615:00 120=40616:00 120=40617:00 120=4

Name:

AUXIS Telford

Perm Number:

6274042

1) Simplify the expression below and write it as a percent.

$$\frac{\frac{1}{20}(12^{-1}+18^{-1})^{-1}}{12^{+}18}$$

$$\frac{1}{10}(\frac{1}{12}+\frac{1}{18})$$

$$\frac{\frac{1}{8}}{12}(\frac{12+16}{216}-\frac{30}{216}-\frac{16}{108})$$

$$\frac{\frac{1}{12}}{16}(\frac{12}{12}+\frac{1}{18})$$

$$\frac{\frac{1}{12}}{\frac{13}{16}}(\frac{12}{216}-\frac{16}{108})$$

$$\frac{\frac{1}{12}}{\frac{13}{16}}(\frac{16}{216}-\frac{16}{108})$$

$$\frac{\frac{1}{12}}{\frac{1}{12}}(\frac{1}{18})$$

$$\frac{\frac{1}{12}}{\frac{1}{12}}(\frac{1}{18})$$

$$\frac{\frac{1}{12}}{\frac{1}{12}}(\frac{1}{18})$$

$$\frac{\frac{1}{100}}{\frac{1}{16}}$$

$$\frac{\frac{1}{100}}{\frac{1}{16}}$$

$$\frac{\frac{1}{100}}{\frac{1}{16}}$$

$$\frac{\frac{1}{100}}{\frac{1}{16}}$$

2) Multiply out and simplify. writing the simplified answer in the box.

$$(x^{4} + x^{2} + x + 1)$$

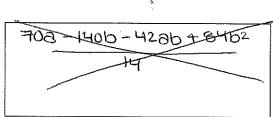
76

$$700^2 - 1400b - 420^2b + 840b^2$$

$$\frac{700 - 140b - 420b + 84b^{2}}{14} - \frac{1}{50}$$

$$\frac{1}{14}$$

$$\frac{1}{$$



5a-10b-3ab+6b2

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?

$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	per	r hour. At what ti	me will Jas	on catch up	to the bad gu	y?	,
	60	•			100 m	iph	100 A
3 180 2:20 100 $3:20 200$ 12 $(00++100(++1))$ $12:20$	= 15 7		1:20	Ó			$\frac{60}{10} = 15$
60++100(++1) 12.20	•	1	2:20	100		25mp	•
(00 + + 100 (++1)) 12.20						A	B
$\frac{100}{100}$ (and + 100) + 100	•				12.20		
() 001 1001 100 661	\ /	60++1	1+ +00	100	12:40 By 1		
1: 20 O	X						0 18010
1:40	WV ·						
1:16							
2:40					2:40		
3					3		

Name:

Max Sheldon

Perm Number:

6300784

1) Simplify the expression below and write it as a percent.

$$\frac{1}{20} \left(\frac{1}{12} + \frac{1}{18} \right)^{-1}$$

$$\frac{1}{20} \left(\frac{3}{36} + \frac{2}{36} \right)$$

$$\frac{1}{20} \left(\frac{5}{36} \right)$$

60/18 50/18 25/9

3 2.7 %

$$(x-1)(x^3+x^2+x+1)$$

$$\left(\frac{5a - 3ab}{2a}\right) \left(\frac{14a - 28b}{7}\right)$$



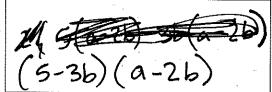
423

(5a-3ab) (14a-28b)

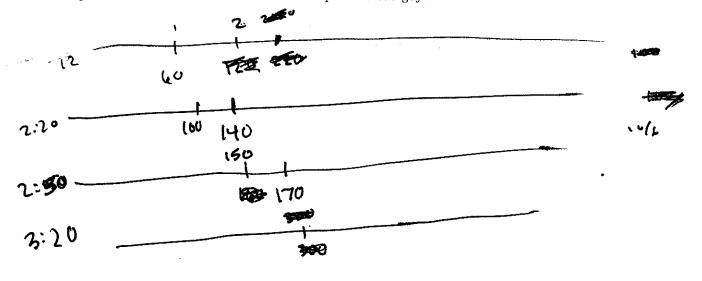
For 70 a2 - 140 ab - 42 a2b - 84 ab2

76a-140b-42ab-84b2

 $5a-10b-3ab-6b^{2}$ $5(a-2b)-3(ab-2b^{2})$



4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?



3:20 an

Name:

Jeremy Cawthor

Perm Number:

4196069

1) Simplify the expression below and write it as a percent.

$$\frac{\frac{1}{20}(12^{-1}+18^{-1})^{-1}}{\frac{1}{20}(\frac{1}{12}+\frac{1}{18})}$$

$$\frac{\frac{1}{20}(\frac{16+12}{12\cdot16})^{-1}}{\frac{1}{20}(\frac{30}{216})^{-1}}$$

$$\frac{1}{20}\cdot\frac{216}{50}=\frac{216}{30000}=\frac{36}{100}=36\%$$

36%

$$(x-1)(x^{3} + x^{2} + x + 1)$$

$$\times \frac{x^{3} + x^{2} + x + 1}{x^{3} + x^{3} + x^{2} + x + 1}$$

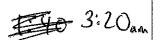
$$\times \frac{x^{3} + x^{2} + x + 1}{x^{3} + x^{3} + x^{2} + x + 1}$$

$$\times \frac{x^{3} + x^{2} + x + 1}{x^{3} + x^{2} + x + 1}$$

$$\left(\frac{5a - 3ab}{2a}\right) \left(\frac{14a - 28b}{7}\right)$$

$$(5-3b)(a-2b)$$
 $a - 2b$

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?



Name:

Annalise Evavis

Perm Number:

530(028

1) Simplify the expression below and write it as a percent.

$$\frac{1}{20} \left(12^{-1} + 18^{-1} \right)^{-1}$$

$$\frac{1}{20} \left(\frac{1}{12} + \frac{1}{18} \right)^{-1}$$

$$\frac{1}{20} \left(\frac{3}{300} + \frac{2}{300} \right)^{-1}$$

$$\frac{1}{20} \left(\frac{5}{300} \right)^{-1}$$

$$\frac{1}{20} \left(\frac{36}{300} \right) = \frac{360}{1000} = 360 / .$$

36%

$$(x-1)(x^3+x^2+x+1)$$

$$x^4+x^2+x^2+x+1$$

$$\left(\frac{5a-3ab}{2a}\right)\left(\frac{14a-28b}{7}\right)$$

$$\frac{14a-28b}{7}$$

$$\frac{14a-2$$

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?

1	B	ل ا		
12	0	0	w20	
12	60	0	100 M	
1:00	75	0	Min	1000 (1.67) = 1667
1:30	90	2_0		
9:00	150		Wr 40	
2:20	150	100	1.61	
2:30	1 100 1.	150		
1:30 1:30 2:20 2:30 2:50 3:00 3:00	100	16"	3. ?(60)	
る:15 3:33 3:30		200	in the second of	

3:20 am

Name:

Iliana De La Riva

Perm Number:

6591473

1) Simplify the expression below and write it as a percent.

$$\frac{\frac{1}{20}(12^{-1}+18^{-1})^{-1}}{\frac{1}{20}(30^{-2})^{-1}}$$

$$\frac{\frac{1}{20}(30^{-2})^{-1}}{\frac{1}{20}(90)^{-1}}$$

$$\frac{\frac{1}{20}(90)^{-1}}{\frac{90}{20}} = 4.5\%$$

4.5%

$$(x-1)(x^3+x^2+x+1)$$

$$\frac{\left(\frac{5a-3ab}{2a}\right)\left(\frac{14a-28b}{7}\right)}{2\lambda}$$

$$\frac{14(a-2b)}{2\lambda}$$

$$\frac{\left(5-3b\right)2(a-2b)}{2}$$

12am 4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains

a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?

2:20 am

Name

Daniela Carranza

Perm Number:

6517759

1) Simplify the expression below and write it as a percent.

$$\frac{\frac{1}{20}(12^{-1} + 18^{-1})^{-1}}{\frac{1}{20}(\frac{12}{1} + \frac{18}{1})}$$

$$\frac{12}{20} + \frac{18}{20} = \frac{1}{20}$$

$$(x-1)(x^3+x^2+x+1)$$

 $X^4+X^3+X^2+|x-X^3-X^2-X-|$
 $X^4+X^3-X^3+X^2-X^2+|x-X-|$
 $X^4-|$

$$\frac{\left(\frac{5a-3ab}{2a}\right)\left(\frac{14a-28b}{7}\right)}{\frac{70a-145ab}{14a}} \left(\frac{-42a^2b-84ab^2}{14a}\right)$$

$$\frac{70a-145ab}{14a} \left(\frac{-42a^2b-84ab^2}{14a}\right)$$

$$\frac{14a-28b}{14a}$$

$$\frac{14a-28b-84ab^2}{14a}$$

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?

l: 40 a.m.

Name:

Perm Number:

8696767

1) Simplify the expression below and write it as a percent. $\rightarrow \frac{1}{100}$

$$\frac{1}{20} \left(12^{-1} + 18^{-1} \right)^{-1}$$

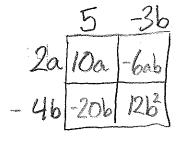
$$\frac{1}{12} + \frac{1}{18}$$

$$\left(\frac{2}{72} + \frac{4}{72}\right)$$

$$\frac{1}{20} \cdot \frac{72}{10} = \frac{72}{200} = \frac{36}{100} = \frac{18}{50} = \frac{9}{25} \cdot \frac{1}{100}\%$$

$$(x-1)(x^3+x^2+x+1)$$

$$\alpha\left(\frac{(5\alpha - 3ab)}{2\alpha'}\right)\left(\frac{14a - 28b}{7}\right) = \frac{2\alpha - 4b}{1}$$



4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?

1:20 + 2 pours= 3:20

Name:

Isabella Agrusa

Perm Number:

3962537

1) Simplify the expression below and write it as a percent.

$$\frac{1}{20} (12^{-1} + 18^{-1})^{-1}$$

$$\frac{1}{20} (30^{-2})^{-1}$$

$$\frac{1}{70} (\sqrt{30})$$



$$(x-1)(x^3+x^2+x+1)$$

$$(x^4+x^2+x^2+x)(-x^2-x^2-x)$$

$$x^4$$

$$\left(\frac{5a-3ab}{2a}\right)\left(\frac{14a-28b}{7}\right)$$

1.

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?

Bad (04) | 2am 2am 3:30am 3:40 3:50 qm 4an,

Bad (04) | 60 120 180 210mi 220 230 240mi |

12am 7:20am 3:20 qm 3:40 350 4 4:20am

Barre 100, 240mi 260 280 300

3:30 am

Name:

Michael Kunnelis

Perm Number:

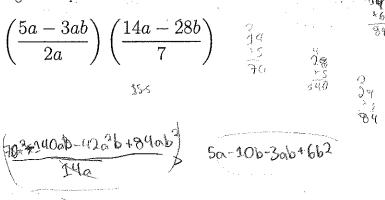
6423339

1) Simplify the expression below and write it as a percent.

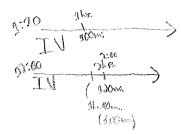
$$\frac{1}{20} \left(12^{-1} + 18^{-1}\right)^{-1}$$

5%

$$(x-1)(x^3+x^2+x+1)$$



4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?



Name:

Fleurette Juda

Perm Number:

5279361

1) Simplify the expression below and write it as a percent.

$$\frac{1}{20}(12^{-1}+18^{-1})^{-1}$$

$$\frac{1}{20}\left(\frac{1}{12}+\frac{1}{16}\right)^{-1}$$

$$\frac{1}{20}\left(\frac{3}{36}+\frac{2}{36}\right)^{-1}$$

$$\frac{1}{20}\left(\frac{36}{5}\right)$$

$$\frac{36}{100}=36^{-1}.$$

36%

$$(x-1)(x^{3}+x^{2}+x+1)$$

$$x^{4}+x^{3}+x^{2}+x-x^{2}$$

$$x^{4}-1$$

$$\left(\frac{5a-3ab}{2a}\right)\left(\frac{14a-28b}{7}\right)$$

$$\left(\frac{5}{2}-\frac{3b}{2}\right)\left(2a-4b\right)$$

$$69 - 106 - 3ab + 6b^2$$

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?

60-20

+ 700 mins

2:00 AM

1 WE - 170 100 Fre Comment

Name:

Leo Safir

Perm Number:

6194121

1) Simplify the expression below and write it as a percent.

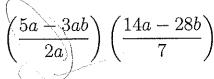
$$= \frac{1}{20} (12^{-1} + 18^{-1})^{-1}$$

$$= \frac{1}{20} (30^{-2})$$

$$= \frac{1}{20} \left(\frac{1}{30^2} \right)$$

$$= \frac{1}{1200} \cdot \frac{100\%}{0.0}$$
0.0

$$(x-1)(x^3+x^2+x+1)$$
 $x^4+x^3+x^2+x-x^3-x^2-x-1$



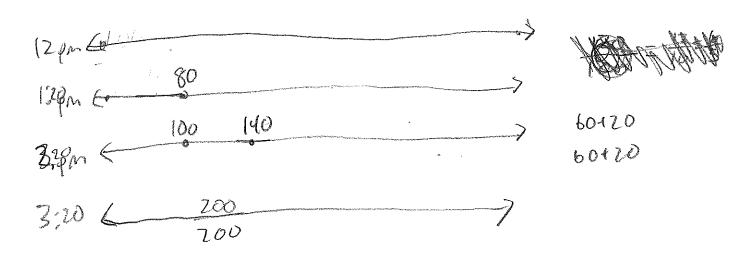


2802-560b +B507 Rlab 2802+350-7706

28921354-7746

3:20

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?



Name:

NORIU MOGGIVION

Perm Number:

0010440

1) Simplify the expression below and write it as a percent.

$$\frac{1}{20} \left(12^{-1} + 18^{-1}\right)^{-1}$$

1/20 34 92 36 lw

1/2/18/18/18/1

1/20 3 30

Bufsli

180 (18x1/18)

Bul 3/36+2/36)

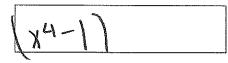
Yau (36/5)

36.1.

2) Multiply out and simplify. writing the simplified answer in the box.

$$(x-1)(x^3+x^2+x+1)$$

X4+X3+X+X-1-X-1-X-X-1-1



$$\left(\frac{5a-3ab}{2a}\right)\left(\frac{14a-28b}{7}\right)$$

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles

per hour. At what time will Jason catch up to the bad guy? 1 NOW-13.6: COV MI (1:00 12. Comph 1:31 (90 mi) 38 (80:31 300 mph) in we beryon or

9.01:100 KIWI 1.10 (0 mi M CET

5 MAS 5000 1:50:00:10 mi 1:30 Jumi

50 m OBD L.Du : Whini No IN VA

N.W. Mari

ZN (BU Mph)
UB: 2:80 (BUU Mph) 12: BUMPN
COD

2:00:1811my N

2 24: 8:20 2.10: 120 mph 2.20 19mph

Name: S

snivley

Perm Number:

6823152

1) Simplify the expression below and write it as a percent.

$$\frac{\frac{1}{20}(12^{-1}+18^{-1})^{-1}}{\frac{1}{20}(\frac{1}{12}+\frac{1}{18})^{-1}}$$

$$\frac{1}{12}+\frac{1}{18}$$

$$\frac{1}{20}(\frac{1}{216})^{-1}$$

$$\frac{1}{25}(216)$$

$$\frac{1}{20}\frac{216}{1}=\frac{216}{20}=\frac{18}{10}=\frac{9}{5}\frac{51900}{51900}=180\%$$

$$(x-1)(x^{3} + x^{2} + x + 1)$$

$$(x-1)(x^{3} + x^{2} + x + 1)$$

$$x^{4} + x^{3} + x^{4} + x + 1$$

$$(x^{4} - 1)$$

$$\left(\frac{5a - 3ab}{2a}\right) \left(\frac{14a - 28b}{7}\right)$$

$$\left(\frac{5a - 3ab}{2a}\right) \left(\frac{14a - 28b}{7}\right)$$

$$\left(\frac{5a - 3ab}{2a}\right) \left(2a - 4b\right)$$

$$\frac{5a}{2a} \times \frac{2a}{7} = \frac{10a}{2a} = 5a$$

$$\left(\frac{5a - 3ab}{2a}\right) \left(\frac{4b}{7}\right)$$

$$\left(\frac{5a - 3ab}{2a}\right) \left(\frac{4b}{7}\right)$$

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?

Name:

Justin Jose

Perm Number:

5345 780

1) Simplify the expression below and write it as a percent.

$$\frac{1}{20} (12^{-1} + 18^{-1})^{-1}$$

$$\frac{1}{20} \left(\frac{1}{12} + \frac{1}{18} \right)^{-1}$$

$$\frac{1}{20} \left(\frac{12}{12} + \frac{1}{18} \right)$$

$$\frac{1}{20} \left(\frac{30}{12} \right)$$

150%.

$$(x-1)(x^3+x^2+x+1)$$

ing the simplified answer in the box.
$$\begin{pmatrix}
5a - 3ab \\
2a
\end{pmatrix}
\begin{pmatrix}
14a - 28b \\
7
\end{pmatrix}$$

$$-3ab \begin{pmatrix}
42a^2b & 84a & b^2 \\
84a & b^2
\end{pmatrix}$$

$$7\left(\frac{6a^{2}b+12ab^{2}-10a^{2}-20ab}{2a}\right)$$

$$7a\left(\frac{6ab+12b^{2}-10a-20b}{2}\right)$$

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?

$$BG = 60 \times + 80 = 100 \times = 7B$$
 -60
 $80 = 40$
 $x = 2$