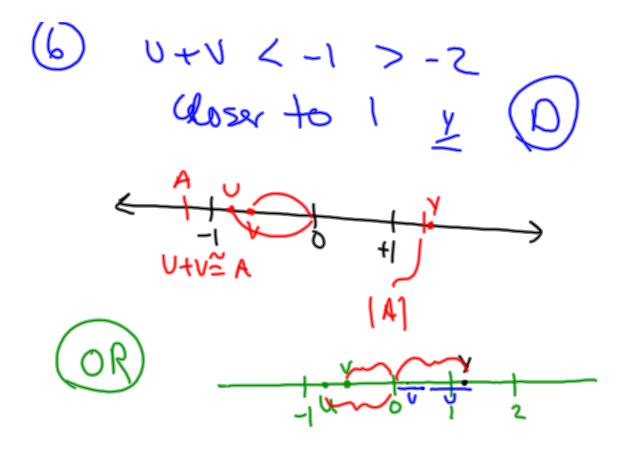
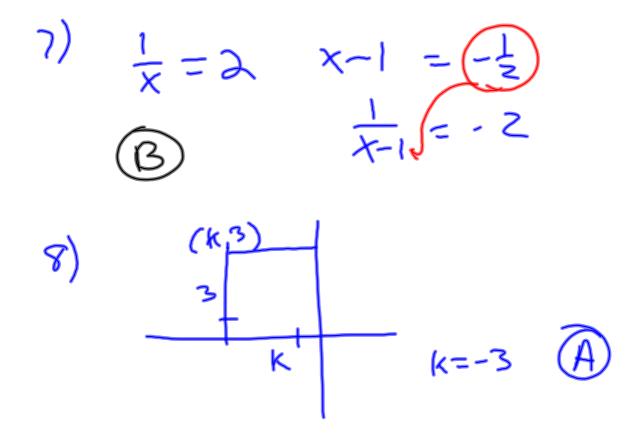
## **Test 4 section 2 (582)**

- 1) C
- 2) D
- 3) C
- 4) A
- 5) C
- 6) D
- 7) B
- 8) A

- 9) A
- 10) E
- 11) B
- 12) D
- 13) E
- 14) C
- 15) A
- 16) B

- 17) C
- 18) B
- 19) A
- 20) E

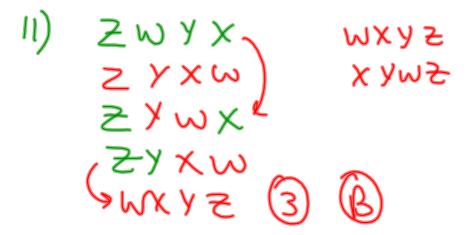


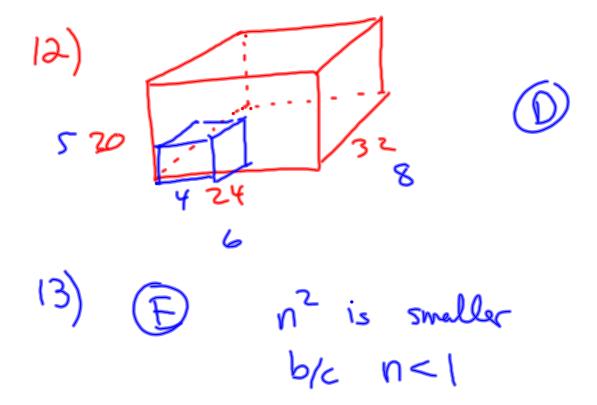


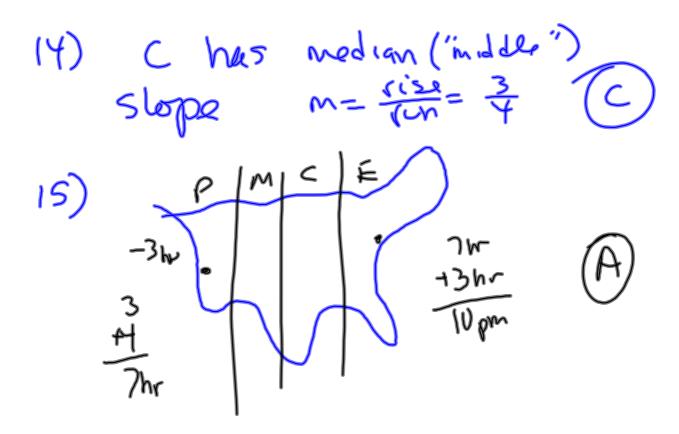
9) 
$$E = \frac{(0)}{2(0)^2+1} = 1$$
  
 $f(1) = \frac{2(0)^2+1}{2(1)^2+1} = 3$   
A)

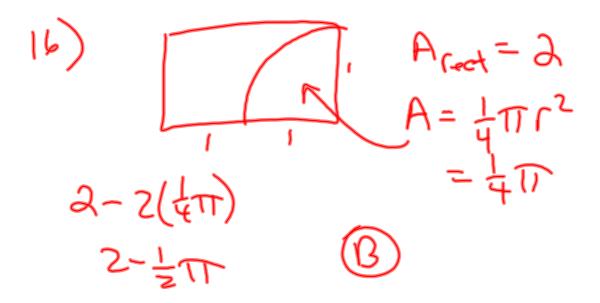
10)  $age = x + y$   
 $age + then$   
 $f(1) = \frac{1}{2(1)^2+1} = 3$ 

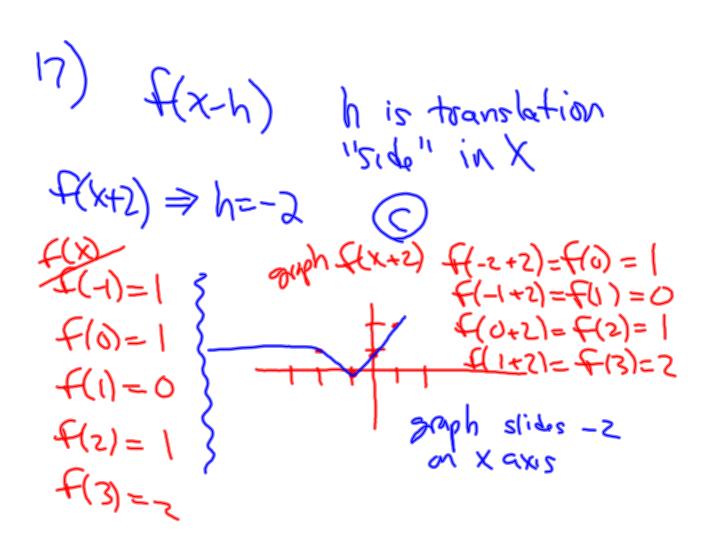
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18) 
$$\angle A = \angle C = 75^{0}$$
  
 $\angle D = \angle F = \angle E = 60^{0}$   
 $50 + X = 75 + 0$   
 $X = 75 + 0$ 

## **Test 4 section 4 (594)**

1) E

2) A

3) B

4) E

5) D

6) A

7) B

8) B

9) 990

10) 30

11) 8, 10, 12

12) 3400

13) 450

14) 1/2, 0.5

15) 12

16) 5/11, .454, .455

17)8

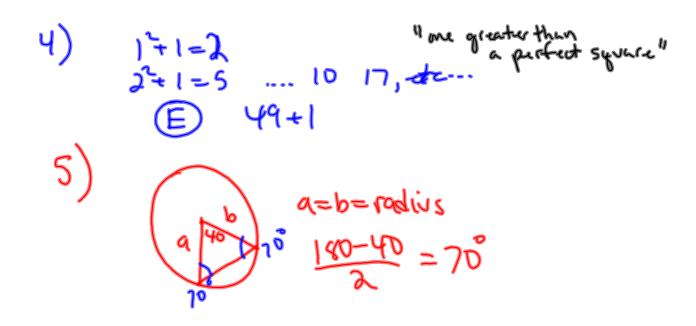
18) 16

1) 
$$X-y=8$$
  
 $X-32=8$   
 $X-3(2)=8$   
 $X-6=8$   
 $X=14$ 



3) 
$$A_1 + A_2 = 5$$

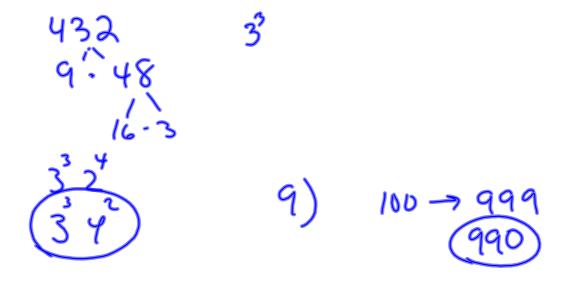
$$\frac{A_1 + A_2}{3} = 2.5$$



6) 
$$\frac{9}{3.3}$$
  $\frac{121}{4}$   $\frac{121}{11.11}$   $\frac{1}{2}$   $\frac$ 

8) 
$$(a = b^{\frac{1}{3}})^6 = 432$$
  
 $(ab)^2 < 432 < (ab)^3$   
If  $(ab) = 18$  eliminate  
 $(ab)^2 < 432 < (ab)^3$   
 $(ab)^2 < 43$ 

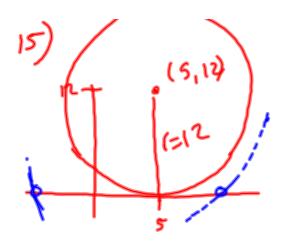
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- 16)  $\frac{20}{4} = \frac{150}{x}$  $20x = 600 \implies x = 30 \text{ lbs}$
- 11) 10 < N + .5N < 20 10 < 1.5N < 20 10 < 1.5N < 20 8, 10, 12  $10 < \frac{3}{2}N < 20$   $\frac{29}{2} < N < \frac{40}{3}$   $\frac{3}{2}$

12) 
$$\rho = 250$$
  $l = 40$ 
 $2w+2l = 250$ 
 $2w+80=250$ 
 $w = 85$ 
 $a = $1 b l b s$ 
 $b = $1 b l b s$ 
 $a = 2b$ 
 $b = 150$ 
 $a = 300$ 
 $a = 300$ 

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$$T = \frac{.4(2500)}{2200}$$
 $= .4545$ 

- M) on an "edge" not a "side"

  only 3 one on edges left (

  yet)

  straight down
  - 18) B(=AD=1) AREA= CD=4  $C(\frac{1}{2},c)=(\frac{1}{2},2)$   $Y=px^3$   $2=p(\frac{1}{2})^3$   $2=p(\frac{1}{2})$ p=16

## **Test 4 section 8 (611)**

- 1) D
- 2) D
- 3) B
- 4) E
- 5) A
- 6) A
- 7) C
- 8) E

- 9) E
- 10) B
- 11) D
- 12) D
- 13) B
- 14) E
- 15) B
- 16) C

1) 
$$3n-12=18$$
  
 $3n=30$   
 $n=10$   
2) P  
 $3a+\sqrt{b}=(a+b)^{2}$  B  
 $4$  II  $\sqrt{}$  II  $\sqrt{}$ 

5) 
$$ax=8x$$
 A  
6)  $u=60$   
 $t=130$  230 A  
 $s=60$   
7) I has slape=0 so all  
 $y = -3$  (5,-3)

8) 
$$P(300) = 1900 = 17(300) - (3000 + b)$$
  
 $1900 - 5100 = -3000 - b$   
 $1900 - 2100 = -b$   
 $b = 200$ 

9)  $11,2,5,6$ 

E)

8 12
12

11) 
$$\frac{(a+b)}{G+b} = a+b \cdot \frac{2}{a+b}$$
 (D)  
12)  $\frac{9}{50} = 30$   $\frac{9}{50} = 30$   $\frac{9}{50} = 30$   $\frac{1}{50} = 21$ 

13) 
$$g(2) = 5$$
  $g(5) = 2.5$  B

$$2x = 360 - 2N$$
 $180 - (446) = X$ 
 $186 - (446) = 186 - N$ 
 $446 = N$ 
 $2N$ 

16) 
$$\chi_{n+1} = 3 + \frac{1}{3} \chi_n$$
  $\frac{3 + \frac{1}{3}}{t}$   $(3 + \frac{1}{3}) \frac{1}{t}$   $\frac{3}{3}(\frac{3}{t}) + \frac{1}{3t}$   $\frac{9}{3t} + \frac{1}{3t} = \frac{9+t}{3t}$