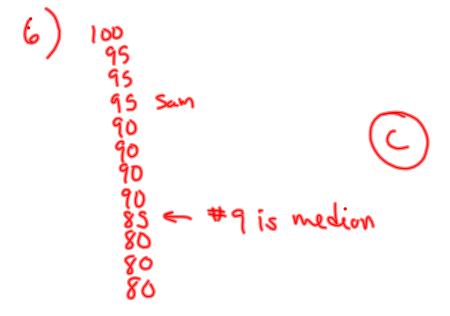
Test 7 section 2 (774)

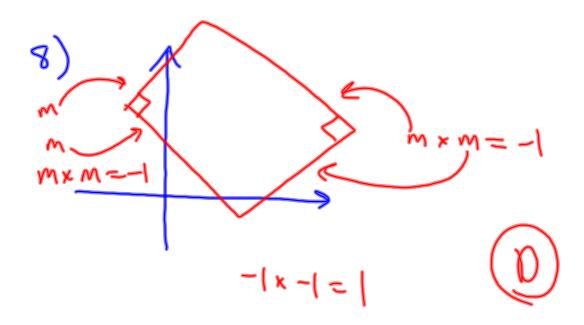
```
1) A 9) 2/3, .666, .667
2) C 10) 10/3, 3.33
3) C 11) 875
4) B 12) 2, 3
5) Z 13) 36 17) 10/7, 1.42, 1.43
6) C 14) 12 18) 3
```

2)
$$d=r.t$$
 $d=r.t$ $20=r.1$ $10=r.2$ $r=20$ $r=20$



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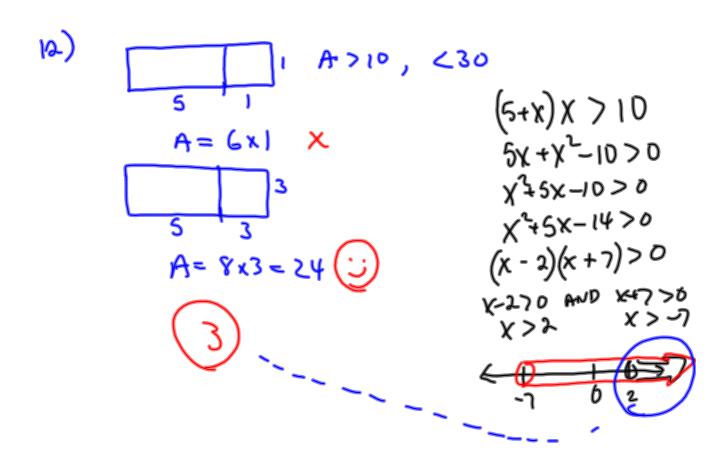
7)
$$16s = x$$
 gal
 $8l = x$ cont
need "l"
 $l = \frac{x}{8}$ D
19hore exter information



9)
$$\frac{20}{60}$$
 com. $\frac{40}{60} = \frac{4}{6} = \frac{2}{3}$ not

$$||) \sum_{x=0}^{3} z = x^{3} - z^{3}$$

$$||0| = |0| - |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0| = |0|$$



13)
$$r + g + b = x$$

$$\frac{1}{3}x + \frac{1}{2}\frac{1}{3}x + 18 = x$$

$$\frac{1}{3}x + \frac{1}{6}x + 18 = x$$

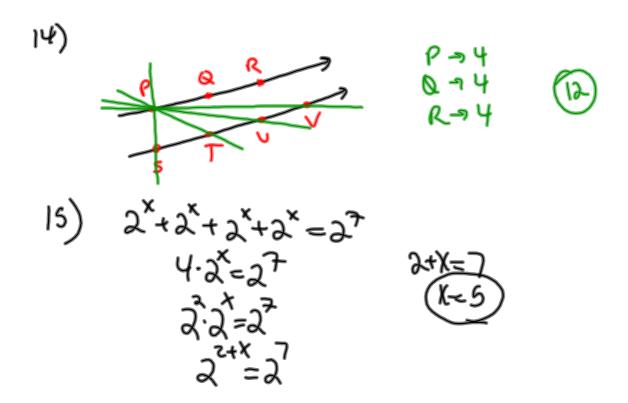
$$\frac{1}{6}x + \frac{1}{6}x - x = -18$$

$$\frac{2}{6}x - x = -18$$

$$\frac{2}{6}x - x = -18$$

$$\frac{1}{2}x = -18$$

$$x = 36$$



$$\frac{1+1+1+1+x=15}{5}$$

$$\frac{1+1+1+x=1}{5}$$

$$\frac{1+1+1+x=1}{5}$$

$$\frac{1+1+x=1}{5}$$

$$\frac{1+x=1}{5}$$

$$\frac{1+x=1}{5}$$

$$\frac{1+x=1}{5}$$

$$\frac{1+x=$$

18)
$$f(x) = x^2 + 18$$

$$f(2m) = 2f(m)$$

$$(2m)^{2}+18 = 2(m^{2}+18)$$

$$4m^{2}+18 = 2m^{2}+36$$

$$2m^{2} = 18$$

$$m^{2}=9$$

$$(m=3)$$

Test 7 section 5 (791)

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

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

Jul 27-11:10 AM

17) D

18) A

19) C

20) B

2)
$$a(x+y)=45$$

 $ax=15$
 $ax+ay=45$
 $ay=45$
 $ay=30$
3) $60-30$
 $30/4$ spaces = 7.5 37.5 B

7) total 14p (E)
$$\frac{B_{1}+B_{2}+...+D_{14}}{14} = P$$
8) $\frac{y_{2}+y_{1}}{2} = y_{m}$

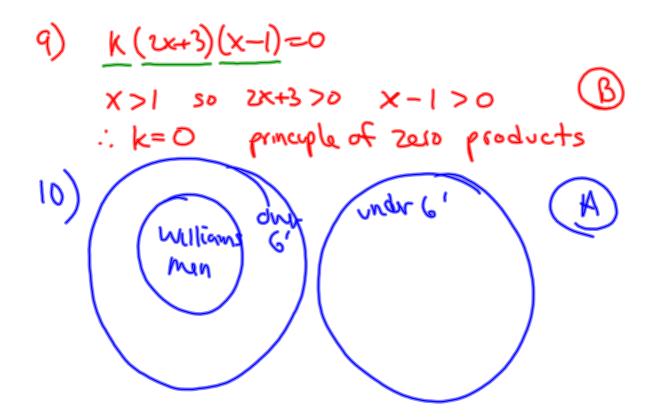
$$\frac{5+-1}{2} = t$$

$$\frac{y_{2}+y_{1}}{2} = t$$

$$\frac{5+-1}{2} = t$$

$$\frac{y_{2}+y_{1}}{2} = t$$

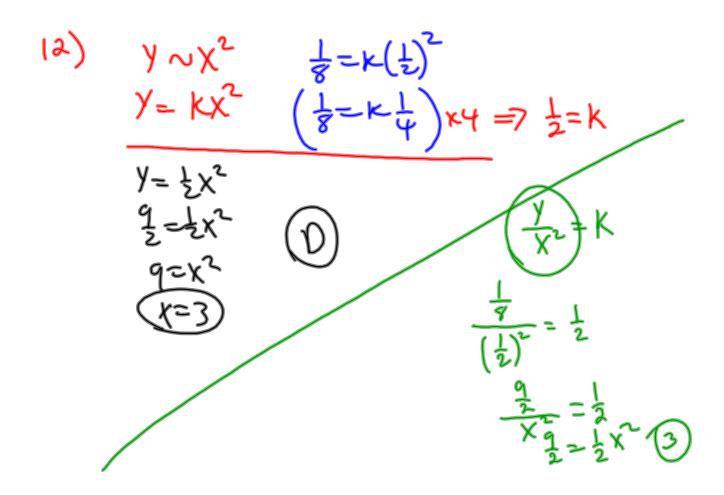
$$\frac{y_{2}+y_{1}}{2} = t$$



$$1 = \frac{3}{5}$$

$$1 = 5t$$

$$1 \cdot N = 5Nt$$
(B)



13)
$$4x = 7\omega$$
 $\omega < \omega < \sqrt{<} x$
 $smoller$

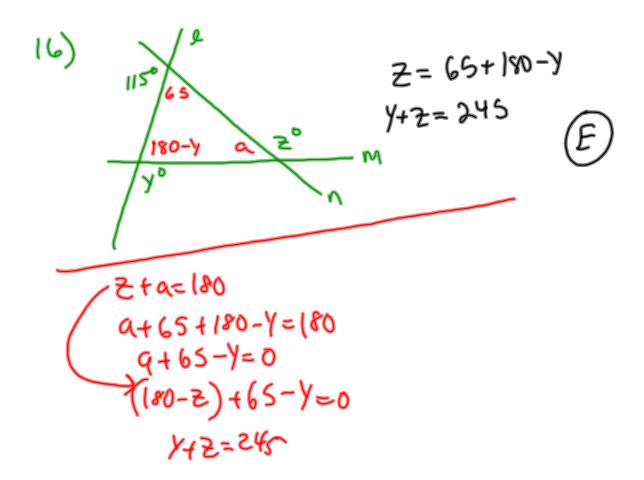
14) $h(t) = \lambda(t^3 - 3)$
 $h(t) = -60$
 $2(t^3 - 3) = -60$
 $t^3 = -37$
 $t^3 = -\lambda 7$
 $t = \lambda + 9$
 $t = -3$

B

15)
$$X = (a)(3)$$

 $Y = (b)(5)$
It $3x+5y \times both would need to be
III $5x+3y \times divisible by 15$
each is divisible by 15 $45+60$
 $= 105$
 $105/15 = 7$$

test7.notebook August 02, 2012



17)
$$x + (x+2) + (x+4) = 111$$

 $3x + 6 = 111$ D
 $18b + 18\cdot 2 = 45$
 $18b + 36 = 45$
 $18b = 9$
 $18b = 9$
 $18b = \frac{1}{45}$ $\frac{1}{45} = \frac{x}{360}$
 $185x = 180$
 $185x = 180$
 $185x = 180$

19)
$$C(n) = 300 \times^{n}$$
 Mcleax of 10% means mult by 1-10

 $N = | y \text{ ear}$
 $= | (n) = 300(11)$
 $= 330$
 $= 300 \times^{1}$
 $\frac{330}{300} = 1$
 $1.1 = 1$

$$\frac{AC}{BD} = \frac{CX}{DX} = \frac{\sqrt{3}}{1}$$

Test 7 section 8 (803)

1) C

9) A

2) B

10) C

3) E

11) C

4) C

12) E

5) C

13) B

6) D

14) B

7) E

15) D

8) A

16) D

4)
$$\frac{2}{5}$$
 apples milt of 5 preces of fruit

6) $X = -1$ K? O A neg X

B 4K

C Neg X

P 8K

X²=1

X³=-1

X⁴=1

::

7) d
$$\frac{\Delta V}{\Delta X} = \frac{d}{t} = speed$$

Sum - cycle - rm

Slow Fost

(E)

8)
$$(\sqrt{6}, k)$$
 $y=x^{2}-7$ $y=-x^{2}+j$
 $2x^{2}-7=-x^{2}+j$
 $2x^{2}=j+7$
 $2(\sqrt{6})=J+7$
 $12=J+7$
 $5=J$

9)
$$|2-x|<3$$

 $2-x<3$ or $-(2-x)<3$
 $-x<1$ $-2+x<3$
 $+x<5$

11)
$$d = \frac{3}{8}T$$
 $b = \frac{3}{8}T$
 $8.6 = T$
 $16 = T$

$$\frac{3}{9} = \frac{1}{\chi}$$

$$3\chi = 48$$

$$\chi = 16$$

1a)
$$\frac{x+3}{2}$$

A $x=3$ X

B $x=-9$ X

C $x=11$ X

D $x=11$ X

any even
$$+3 = odd$$

and int

13)
$$Q = (3, \frac{10}{2})$$
 $S = (11, \frac{10}{2})$
 $(3, 3)$ $(11, 5)$
 $\frac{\Delta y}{\Delta k} = \frac{5-3}{11-3} = \frac{2}{8} = \frac{1}{4}$ Q

- 15) O trop ... "closest"
 is
 "largest"
- 16) (xy)(x-y) = 7.5 = 35= $x^{2}y - xy^{2}$ p