## Test 3 section 2 (518)

1) D

2) B

3) B

4) D

5) E

6) E

7) C

8) A

9) A

10) B

11) C

12) C

13) B

14) A

15) C

16) E

17) A

18) A

19) C

20) C

4) 
$$f(-3) > f(3)$$

climnate  $a_1b_1e$ 

A)  $F(x) = 4x^2$   $f(-3) = 4(-3)^2$   $f(3) = 4(3)^2$ 

B)  $f(anything) = 4$ 

c)  $f(x) = \frac{4}{x}$   $f(-3) = -\frac{4}{3}$   $f(3) = \frac{4}{3}$ 

d)  $f(x) = 4-(-2)$   $f(3) = 4-(-2)$ 

e) See A  $(-3)^4 = (3)^4$ 

1  $4+27 > 4-27$ 

5) 
$$F \sim \chi$$
 $F = \frac{15}{8} \chi$ 
 $F = \frac{15}{8} (20)$ 
 $F = \frac{15}{8} (20$ 

8) 
$$\chi-3+(n-1)\chi=K$$
  
the by full busies

$$\lambda - 3 + nx - x = k$$

$$0$$

$$0$$

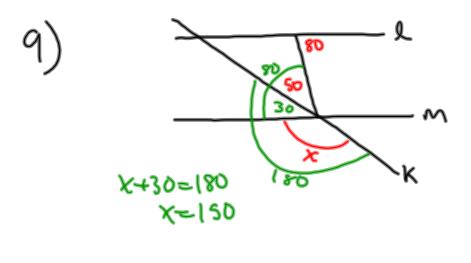
$$0$$

$$0$$

$$0$$

$$0$$

$$0$$



10) try then (B)

3 x2 < 9x2

11) 
$$P_b = 2\pi\Gamma$$
 $P_t = 2\pi\frac{\Gamma}{2} = \pi\Gamma$ 

12)  $3 = \frac{4}{7} \text{ pos}$ 
 $5 = 40402 \text{ so}$ 
 $5 = 40402 \text{ so}$ 

13)  $C(20) = \frac{600(20) - 200}{20} + k = 640$ 
 $-10 + k = 640$ 
 $K = 50$ 

14) 
$$(1,1) \lor (2,1) \times (1,2) \times (4)$$
15)  $P(ABC)=21$ 

DEF is equilativel so  $P=15$  ©

 $Y^2=X^2+4X+4$ 

(42) =  $(X+2)(X+2)=X+2X+4$ 

FOIL

17) 
$$4x+y=k$$
 $y=-4x+k$   $m=-4$   $\Rightarrow$   $m=+\frac{1}{4}$ 
 $4x+y=k$ 
 $4x$ 

18) 
$$\frac{\chi_{+}\chi_{-}}{2}=k$$
  $\frac{\chi_{+}\chi_{+}\chi_{+}}{3}\Rightarrow\frac{2k+2}{3}$   $A$ 

$$\chi_{+}\chi_{-}=2k$$

19) 
$$R = \frac{1}{2}$$
 $A = T(\frac{1}{2}) = \frac{3T}{4}$ 
C

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## **Test 3 section 4 (530)**

1) A

9) 7

17) 4/9, .444

2) C

10) 13

18) 2,18

3) D

11) 135

4) D

12) 46

5) E

13) 28

6) D

14) 70

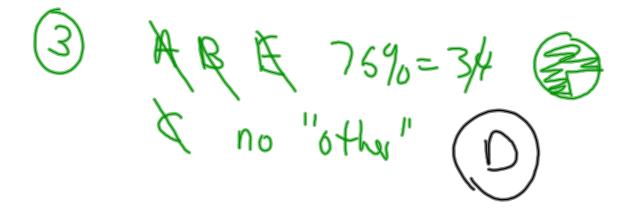
7) E

15) 7/15, .466, .467

8) C

16) 3





4) 
$$n = 3 - 5$$
 $n = 3 - 5$ 



5) 
$$A = \frac{1}{2} (3k)(4) = 18$$

$$\frac{1}{3} (13k) = 18$$

$$6k = 18$$

$$10k^{-1} = \frac{100}{m^2}$$

$$10k^{-1} = \frac{100}{m}$$

$$10k^{-1} = m^{-1}$$

$$10k$$

$$10k$$

$$10k$$

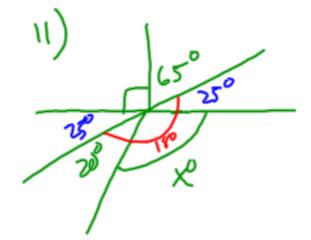
7)
$$3(4)=12K$$

$$E \rightarrow 4(4)=16km$$

$$Y=5$$

$$Y=5$$

$$Y=7$$



15+2**0**+X=190° X=135°

(2)

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13) 
$$f(x)=x+1$$
  
 $2f(p)=20 \Rightarrow 2(p+1)=20$   
 $2p+2=20$   
 $2p=18$   
 $p=9$   
 $f(3p)=(3p)+1$   
 $=28$ 

14) 
$$\angle LMN = 55^{\circ}$$
  $180-125$   
 $\angle LNM = 55^{\circ}$   $isoceles \triangle$   
 $\angle MLN = 180-55-55 = 70$   
 $\angle KLN = 20$   
 $\angle KNL = \chi^{\circ} = 70^{\circ}$ 

1b) 
$$a+2b=(1.25)(4b)$$

$$=\frac{2}{4}4b$$

$$a+2b=5b$$

$$a=3b$$

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

$$x=\frac{4}{9}$$

$$x=\frac{4}{9}$$

$$x=\frac{3}{4}$$

$$\frac{18}{18} \qquad \frac{(10,18)}{(10,18)}$$

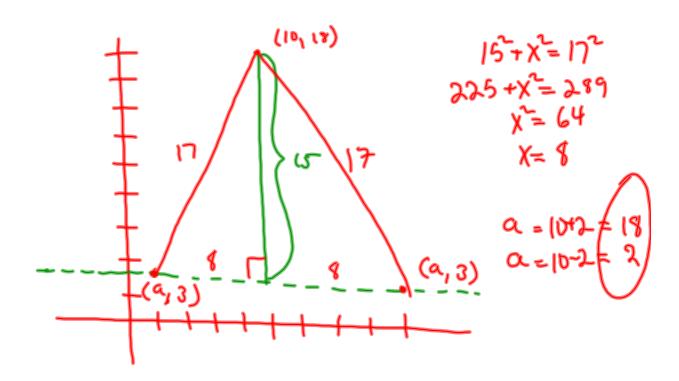
$$\frac{1}{18} = \frac{100-20}{10-x} + \frac{15}{15}$$

$$\frac{1}{18} = \frac{100-20}{15} + \frac{15}{15}$$

$$(10-x)(x-14)=0$$

$$(10-x)(10-x)$$

$$(10-x)(10-x)$$



## **Test 3 section 8 (547)**

1	)	В

9) D

2) B

10) B

3) A

11) A

4) C

12) B

5) D

6) B

13) C

7) A

14) E 15) A

8) E

16) E

#1 
$$E = \{...-2, 0, 2, 4, 4, ...\}$$

$$P = \{1,2,3,4,5,...\}$$

$$F = \{....-3,-2,-1,0,1,2,3,4\}$$
#2  $8+\sqrt{K} = 15$ 

$$\sqrt{K} = 7$$

$$(\sqrt{K})^2 = 7^2$$

$$K = 49$$

#3

35 for

14 against 
$$\frac{36}{50}$$
 in form

50 people

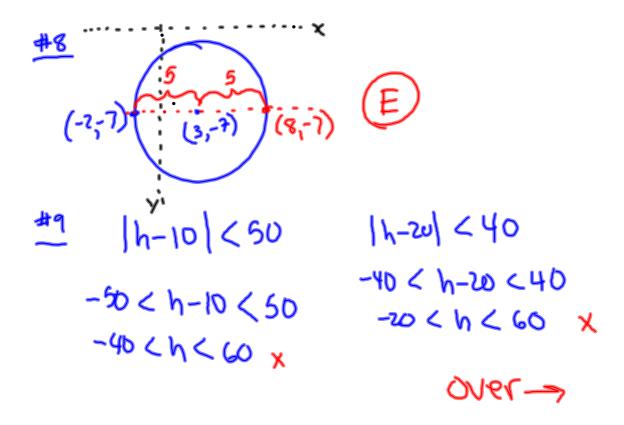
7

60 - (70+34) = 80

44

1:  $440 = 100^{\circ}$  C

#5 
$$\frac{1}{81-82} = \frac{354}{254}$$
 $\frac{1}{82-83} = 754$ 
 $\frac{1}{83-84} = \frac{504}{250}$ 
 $\frac{1}{83-84} = \frac{504}{250}$ 
 $\frac{1}{84-85} = \frac{1}{100}$ 
 $\frac{1}{84-85} =$ 



#11 
$$k = (n,r)$$
 true if  $n < k < r$ 
 $-\lambda = (n,0)$   $n < -2 < 0$ 
 $T = -3$   $X$ 
 $T = -1$   $Y = -1$   $Y = -1$ 
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$$\frac{\#13}{(X+Y)^2 + x + 2}$$

$$\frac{(X+Y)^2 + x + 2}{\text{even}}$$

$$\frac{(X+Y)^2 + x + 2}{\text{even}}$$

$$\frac{X+2}{X+Y} = 0$$

$$\frac{X+2}{X+Y} = 0$$

$$\frac{X+3=5}{2+Y=6}$$

$$\frac{X+2}{X+Y} = 0$$

$$\frac{X+3=5}{2+Y=6}$$

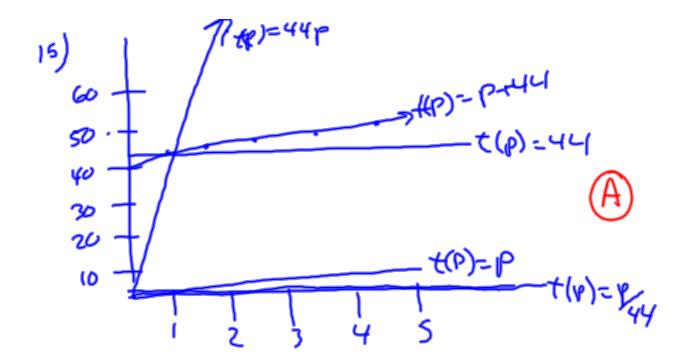
$$\frac{X+2}{X+Y} = 0$$

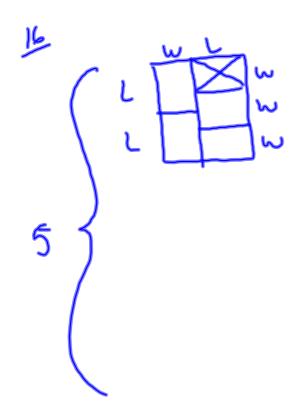
$$\frac{X+3=5}{2+Y=6}$$

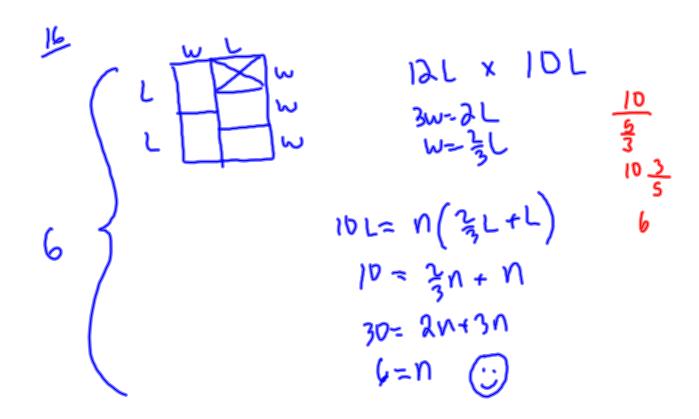
$$\frac{X+2}{X+Y} = 0$$

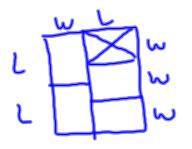
$$\frac{X+3=5}{2+Y=6}$$

$$\frac{X+3=5}{2+Y=6$$









$$6 \times 6 = 36$$
 (trap)  
 $36 \times 6 = 180$   
(E)