## **Test 2 section 3 (459)**

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

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

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

2) 
$$2^{4x} = 16$$
  $4x = 4$   
 $3^{4x} = 2^4$   
3)  $(-2)$ ,  $(+5)$   $(+$ 

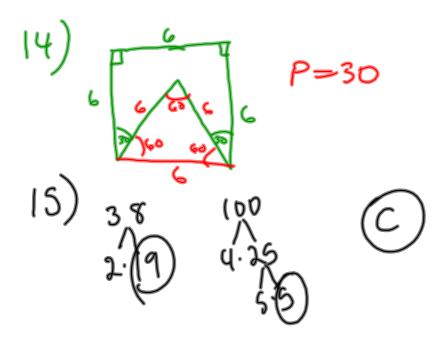
6) 
$$\frac{3}{7} \cdot n = 42$$
 $\frac{1}{7}n = 14$ 
 $\frac{5}{7}n = 70$ 

7) 
$$A = 1 port 0 = 2 ports$$
9 ports total  $F = 2 ports$ 
 $P(f) = \frac{2}{9}$ 

A D
B

10) 
$$f(a) = \frac{3-2(2^2)}{2}$$
  
=  $\frac{3-8}{3}$   $0$   
=  $-\frac{2}{3}$ 

11) A) 
$$y = 5x - 10$$
 $0 = 5a - 10$ 
 $10 = 5a$ 
 $2 = a$ 
 $2 = a$ 



17) 
$$a \uparrow b = \frac{a+b}{a-b}$$

$$1 \uparrow 2 = 2 \uparrow \times$$

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

$$3(2-x) = -2-x$$

$$6-3x = -2-x$$

$$6=-2+2x$$

$$8=2x$$

$$x=4$$

$$\begin{array}{c}
A \\
1 \uparrow 3 = \frac{4}{-2} = -\lambda \\
3 \uparrow \chi = \frac{3+\chi}{3-\chi} \\
-\lambda = \frac{3+\chi}{3-\chi} \\
-\lambda = \frac{3+\chi}{3-\chi} \\
-\lambda + \lambda \chi = 3+\chi \\
\chi = 9
\end{array}$$

$$a T b = \frac{a+b}{a-b}$$

$$a T b = b T \times$$

$$\frac{a+b}{a-b} = \frac{b+x}{b-x}$$

$$(a+b)(b-x) = (a-b)(b+x)$$

$$ab = xax$$

$$ab = xax$$

$$ab = xax$$

18) 
$$X + (x-2) + (x-2) + ...$$
  
 $X + (n-1)(x-2)$  A  
19)  $30^{\circ} = \frac{1}{12} \text{ circle (360)}$   
 $\text{circ} = 6\text{ pr (12)} = 72\text{ pr = 2pr } = 2\text{ pr r}$   
 $3b = r$   
 $A = \text{pr r}$   
 $A = \text{pr r}$ 

20) men = 
$$n$$

When =  $n+75$ 
 $2n+75$ 

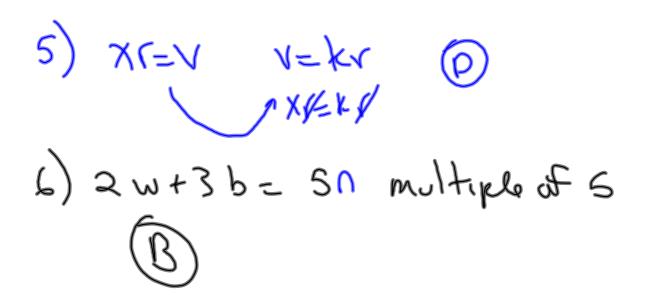
## **Test 2 section 6 (471)**

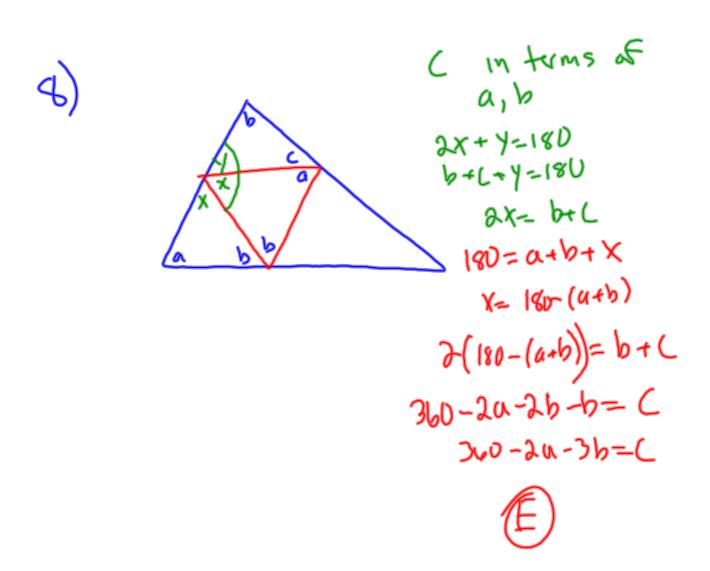
1) D	9) 1404	17) 149
	_	

$$\frac{3+0}{2}=\frac{15}{2}$$

$$0$$

		E	U	total	
3)	Men	27100			
	NYMYN	ฆพง	<b>SUD</b>	21,500	(A)
	total	48/00		50,500	





9) 
$$4x351 = 1464$$
10)  $avg = 57.5$ 
or dist between = 9
 $\div 2 = 4.5$ 
 $53+4.5 = 57.5$ 
11)  $1505665!$   $50,30,30 = 110$ 



12) 
$$x-y=77$$
  
 $(x+y)(x-y)=77$   
 $x+y=11$   
 $2x=18$   
 $x=9$   
360 = 12  
13,14,15,16,17

15) 
$$\frac{QS}{QV} = \frac{1}{3} \qquad \frac{SV}{QV} = \frac{2}{3}$$

$$\frac{3}{3} \qquad \frac{3V=3}{5V=2}$$

$$\frac{1}{3} \qquad \frac{3V=3}{5V=2}$$

$$\frac{1}{3} \qquad \frac{3}{5V=2}$$

$$\frac{3}{5} \qquad \frac{3}{5} \qquad$$

$$h(x) = 144 \frac{(2m)^2}{4} = 9m$$

$$h(x) = 144 \frac{4m^2}{4} = 9m$$

$$(m - 2)(m - 7) = 0$$

$$m - 2 = 0$$

$$m - 7 = 0$$

$$m - 7 = 0$$

$$m = 7$$

17) 
$$10.8 + 5.8 + 3.1$$
 (8:00)  
 $10.2 + 3.2$  (7:30, 8:30)  
 $30 + 40 + 3$   
 $20 + 6$  = 149  
 $4 \times 3 \times 3 \times 3 \times 4$   
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 $4$ 

## **Test 2 section 9 (487)**

1	١	
-	)	

9) B

2) D

10) B

3) B

11) A

4) B

12) B

5) C

13) C

6) C

14) E

7) D

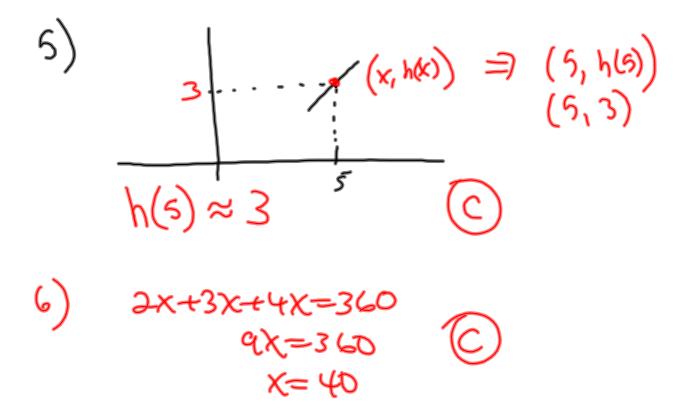
15) C

8) C

16) D

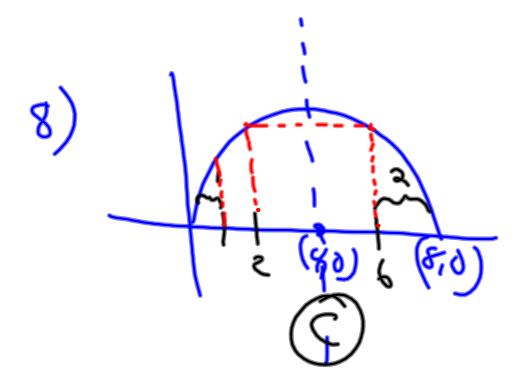
a) A, B m>0
D b>0
$$\sqrt{1.89} \approx .30$$
B

4)  $12+6+3(1)$ 
 $3.59 189 1.20 = 6.64$ 
B



7) 
$$\frac{1}{x^{2}} = \frac{1}{3} = \frac{1}{3}$$

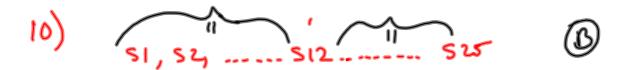
$$y^{2} = 16$$
 $16' = 16 \times 4^{2} = 16 \times 4^{2}$ 



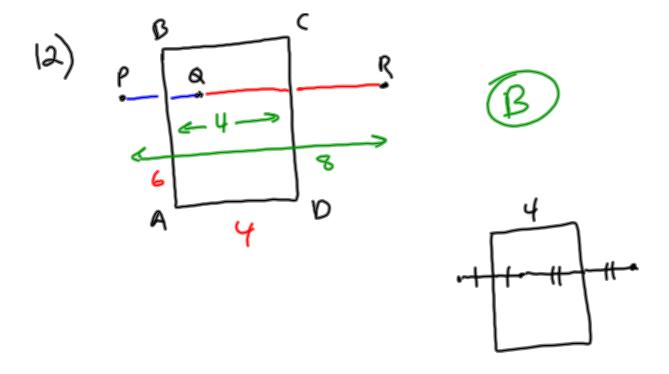
28+7

A) 4+7=11 X

647=13 1



11) 
$$g(x) = ax^2 + bx + C$$
  
 $g(0) = C$   $D, B, C$  etiminated  
 $a = (-)$  conceive down  
 $A$   
 $a(x-h)^2 + K$  "translation"



14) 
$$\frac{4w = 4+w}{-w} = 4$$

$$\frac{-w}{3w = 4}$$
15) 
$$x_{1}x+2_{1}x+4$$

$$x_{2}+b^{2}=(x+4)^{2}$$

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

16) 
$$y=x+\frac{1}{x}$$
 X>1, Integer  
1)  $y\neq x$   
2) y is int  $z+\frac{1}{2}$  X  
3)  $xy>x^2$   $x(y=x+\frac{1}{x})$   
 $xy=x^2+(x)$