

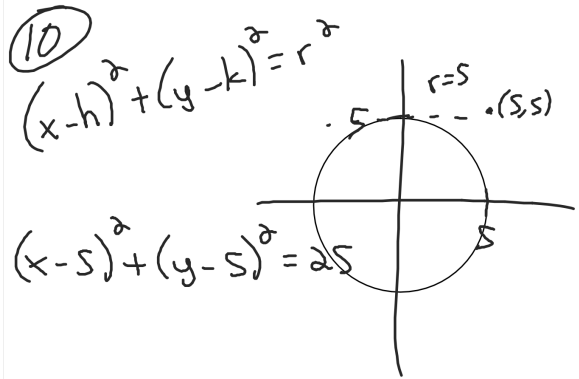
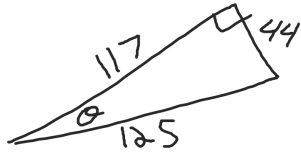
Friday - August 21, 2015

1 E  
2 G  
3 D  
4 H  
5 B  
6 K  
7 D  
8 K  
9 A  
10 J

11 C  
12 J  
13 E  
14 H  
15 C  
16 K  
17 D  
18 F  
19 A  
20 G

ACT #2

$$H) \frac{117}{125}$$



①  $s > 10$

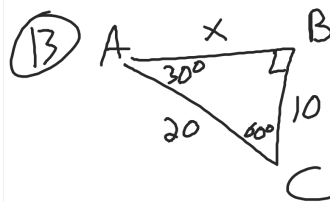
$$\begin{array}{r} 2r + s = 15 \\ -2r \quad -2r \end{array}$$

$$s = 15 - 2r > 10$$

$$-2r > -5$$

$$r < \frac{5}{2} = 2.5$$

$$r \leq 2$$

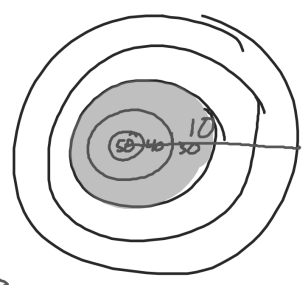


$$x = \sqrt{3} \cdot 10$$
$$10\sqrt{3}$$

E

19

$$\frac{A \quad r=6}{A \quad r=10}$$



$$\frac{\pi/36}{\pi/100} \quad \frac{9}{28} = 36\%$$

20

$$\frac{3x^2 - 3y^2}{-x - y}$$

$$\frac{3(x^2 - y^2)}{-(x+y)} = \frac{3(x+y)(x-y)}{-(x+y)}$$

$$= \frac{-3(x-y)}{-3x+3y} = \boxed{3y-3x}$$

15

$$\frac{180^\circ}{.75 \text{ hr}} = \frac{x}{1 \text{ hr}}$$

$$240^\circ$$

101

$$s(5) \quad a=5$$

$$\lim_{t \rightarrow 5} \frac{s(a) - s(t)}{a - t}$$

$$\lim_{t \rightarrow 5} \frac{600 - (-16t^2 + 1000)}{5 - t} = \frac{16t^2 - 400}{5 - t}$$

$$\lim_{t \rightarrow 5} \frac{16(t+5)(t-5)}{-(t-5)} = -160$$

14 HW cont.

P. 76

45, 47, 55-63 odd,

67, 69-72 all

59  $f(x) = \begin{cases} 2, & x \leq -1 \\ ax+b, & -1 < x < 3 \\ -2, & x \geq 3 \end{cases}$

$$a(-1) + b = 2 \quad -a + b = 2$$

$$a(3) + b = -2 \quad 3a + b = -2$$