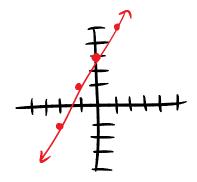
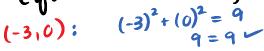
```
Sec 13.1
pgs. 607 - 609
#4, 5 - 11 odd,
15, 19, 21
Sec 13.2
pq. 616#8
```

#4 Graph:
$$y-1=2(X+1)$$

 $m=2$
pt: (-1,1)



#5 Verify that the 3 points
shown he on the circle whose equation is
$$x^2 + y^2 = 9$$



$$(o_13)$$
: $(o)^2 + (3)^2 = 9$
 $9 = 9$

$$(3,0)$$
: $(3)^2 + 0^2 = 9$
 $9 = 9$

#7 Find the x and y intercepts of the graph
$$y = 2x - 6$$

y int: -6 x int. $0 = 2x - 6$
 $6 = 2x$

y int: -6 x int.
$$0 = 2x - 6$$

 $(0, -6)$ $3 = x$ $(3, 0)$

#9 15 (-4.6) on the V-shaped graph of
$$y = |x-2|$$

$$6 = |-4-2|$$

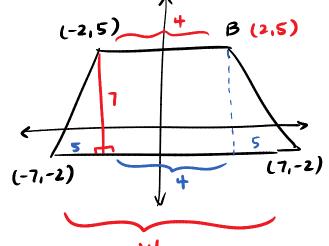
$$6 = |-6|$$

$$6 = 6 \times y = |x-2|$$

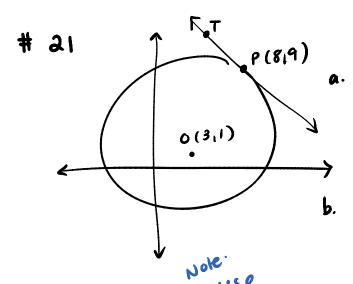
#11 Is (6,8) on the graph
$$(6)^2 + (8)^2 = 100$$

of $x^2 + y^2 = 100$ $100 = 100$ yss

- a. Find the coordinates of vertex B. (2,5)
- b. Find the length of the bases 4, 14



- c Find the length of the median 9
- d. Find the trapezoids area. A=m.b A=9.7 A=63
- #19 If a line containing point (x_i, y_i) and having slope m can represent the equation $y-y_i=m(x-x_i)$, find an equation that corresponds to the line containing point (5,2) and having a slope of 6.



Find slope PT $m = \frac{9-1}{8-3} = \frac{8}{5}$ $m_{pt} = \frac{-5}{8}$

PT
$$y-9 = -\frac{5}{8}(x-8)$$

 $9-9 = -\frac{5}{8}(8-8)$
 $0=0$

c.
$$y = -\frac{5}{8}x + 14$$

$$9 = -\frac{5}{8}(8) + 14$$

$$9 = 9$$

#8

a.
$$y-1=3(x-2)$$

a.
$$y=1 = 3 + 2 = 7$$

b. $y=3 = -\frac{1}{2}(x+6)$
c. $y=5$
d. $y=7(x-2)$

$$c u = 5$$

$$e y = -4(x-3)$$

g.
$$y-7=\frac{3}{2}(x-8)$$

$$y - \frac{7}{2} = \frac{3}{2} (\times - \frac{8}{8})$$

$$y = -\frac{2}{3}x + 8$$

$$m = -\frac{2}{3}$$

$$\pm m = \frac{3}{2}$$