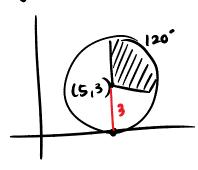
13.7 homework pgs. 638 - 640 #2, 3, 5, 7,10, 11, 14, 15

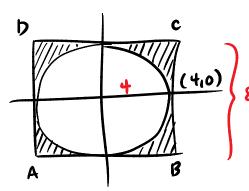
#2 Jund the area of the shaded sector



$$A_0 = 9\pi$$
 $A_{sec} = 1.9\pi = 3\pi$

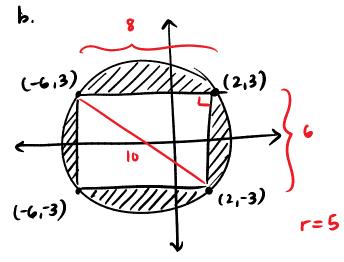
#3 Find to the nearest tenth, the area of the shaded region in each diagram

a. ABCD is a square



$$A_{SQ} = 64$$

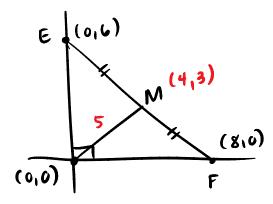
 $A_{O} = 16\pi$
 $A_{Sh} = 64 - 16\pi \approx 13.7$



A rec = 48

$$A_0 = 25 \pi$$

Ash = $25\pi - 48 \approx 30.5$



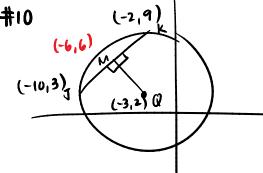
a.
$$0M = \sqrt{(4)^2 + (3)^2}$$

= 5

$$A = (2,7)$$

 $C = (9,15)$

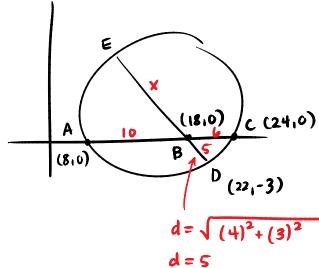
$$d = \sqrt{(6)^2 + (8)^2}$$



Find QM =
$$\sqrt{(-3+6)^2+(6-2)^2}$$

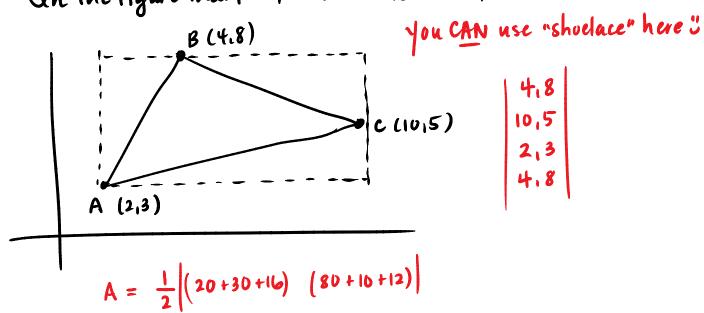
$$=\sqrt{3^2+4^2}$$

#11



"CHORD-CHORD" Find BE

#14 Un the figure marked, what is the area of AABC?



$$A = \frac{1}{2} | (20+30+16) (80+10+12) |$$

$$= \frac{1}{2} | 66-102 |$$

$$= \frac{1}{2} | -36 |$$

$$= 18$$

of you can simply find area of Dis "

#15 What is the area of DDEF

$$A = \frac{1}{2} \left| \left(0 - 42 + 0 \right) - \left(28 + 0 + 0 \right) \right|$$

$$= \frac{1}{2} \left| \left(-42 \right) - \left(28 \right) \right|$$

$$= \frac{1}{2} \left(70 \right) = \boxed{35}$$

