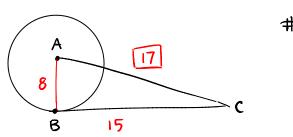
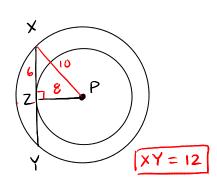
10.4 Homework Pg 463 #5, 6, 10-14, 16,17,22,23

#1

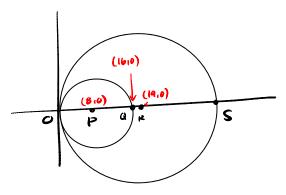


#2

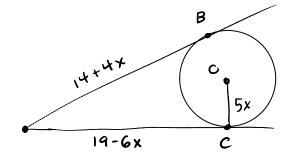


#5 OP and OR are internally tangent at 0. (1610) (38.0)

- a. Find the coordinate of Q and S
- b. Find the Length of QR 3



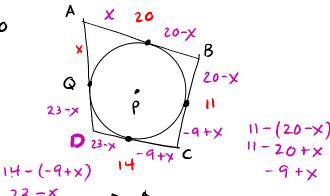
#6



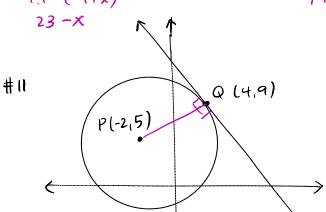
AB and AC are tangents to 00
Find OC

$$14+4x = 19-6x$$
 OC = $5x$
 $10x = 5$ = $5(\frac{1}{2})$
 $x = \frac{1}{2}$

#10

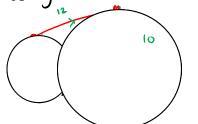


 $AD = \times +23 - \times$ $= \boxed{23}$



Supe
$$p_Q = \frac{9-5}{4+2} = \frac{4}{6} = \frac{2}{3}$$

- #13 The centers of 2 circles of radii 10cm and 5cm are 13cm apart.
 - a.) Find the length of a common external tangent

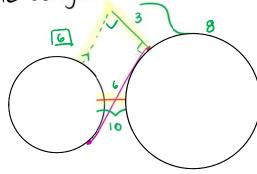


x=12 (5,12,13)

19 - 2x = 13

 $\lambda = -2$ $\lambda = 3$

- b.) Do the circles intersect - YES! - overlap.
- #14 The centers of 2 circles with radii 3 and 5 are 10 units apart. Find the Length of the common internal tangent.



(3,4.5)*2 x=6

#16 X

13

8-x+11-x=13

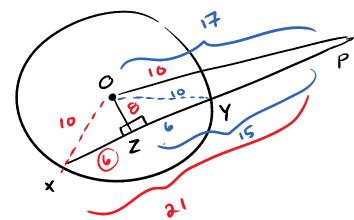
Radius OA = 3

OB = 5

OC = 8

#17 The radius of 00 is 10.

The secant segment PX measures
21 and is 8 units from the
center of the circle



$$x+y=20$$

