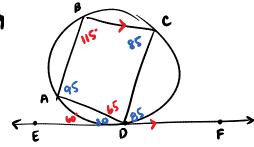
p. 489: 9, 11, 16, 19, 20, 21, 23, 24





Given: 4B=115°

AD = 60°

Find

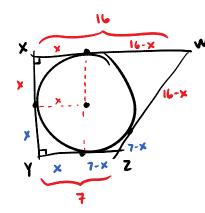
a. & ADC 65°

b. 4 CPF 85

4C 15

d. 4A 95°

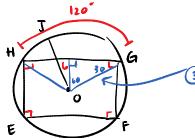
#11



P = 4x + 2(7-x) + 2(16-x)P = 4x + 14 - 3x + 32 - 2x

P = 46

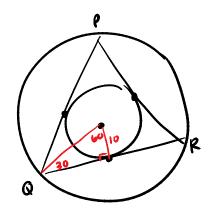
#16



30

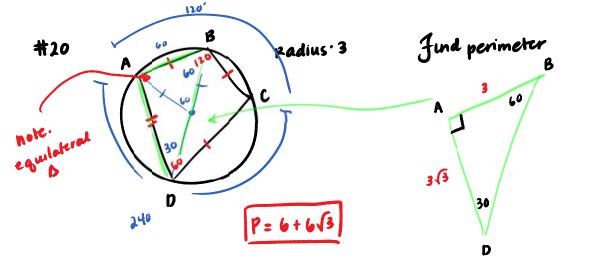
P = 4(3)+4(3(3)) = 12+12(3)

#19

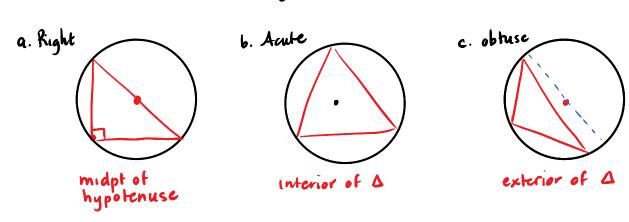


a. Radius of larger 0? [20]

b. ½



#21 Discuss the location of the center of a circle circumscriped about each of the pollowing types of triangle

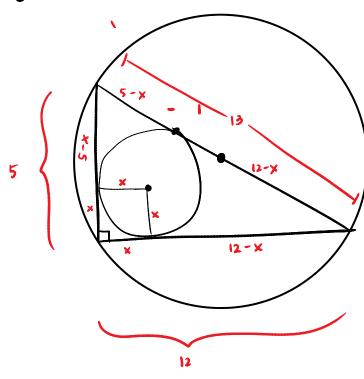


#23 Are the vertices of each figure concyclic ALWAYS, SOMETIMES, OR NEVER.

1 set of points that ALL be on a circle

- a. rectangle A
- b A parallelogram S
- c. A rhombus S
- d. a non-isosceles trapezoid N
- e. an equilateral polygon S
- f. an equiangular polygon 5

24 A right triangle has legs measuring 5 and 12. Find the ratio of the area of the inscribed circle to the area of the circumscribed circle.



$$15-x+12-x = 13$$

 $17-2x = 13$
 $-2x = -4$
 $x = 2$

$$\mathsf{A}_{\mathcal{O}_{\mathsf{Small}}} = \pi(2)^2 \\ = 4\pi$$

A o sig =
$$\pi \left(\frac{13}{2}\right)^2$$

$$= \frac{169\pi}{4}$$