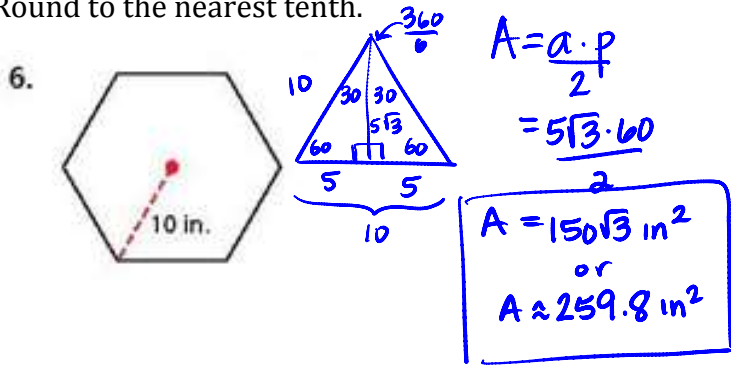


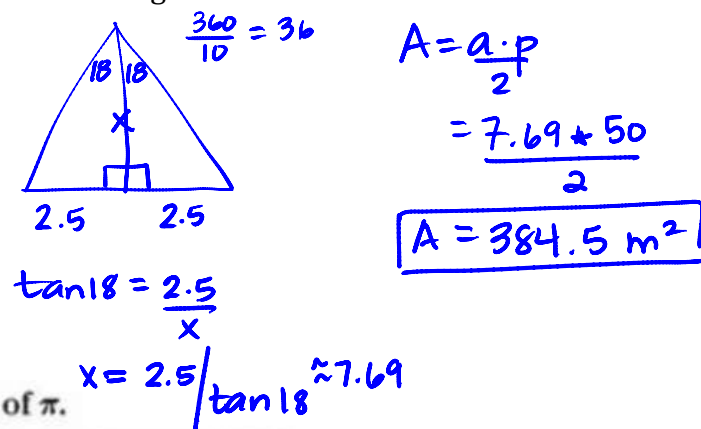
10.2 Day 1 Homework

Pg. 691 #6, 9-11, 14-15, 28-29, 34-37, 43

6) Find the area of the regular polygon. Round to the nearest tenth.

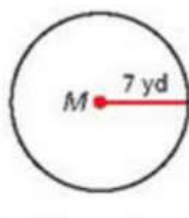
6. 

9) Find the area of a regular dodecagon with a side length of 5 m.

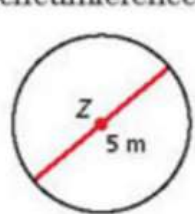
9. 

Find each measurement. Give your answers in terms of π .

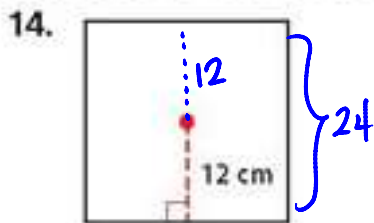
10. the area of $\odot M$

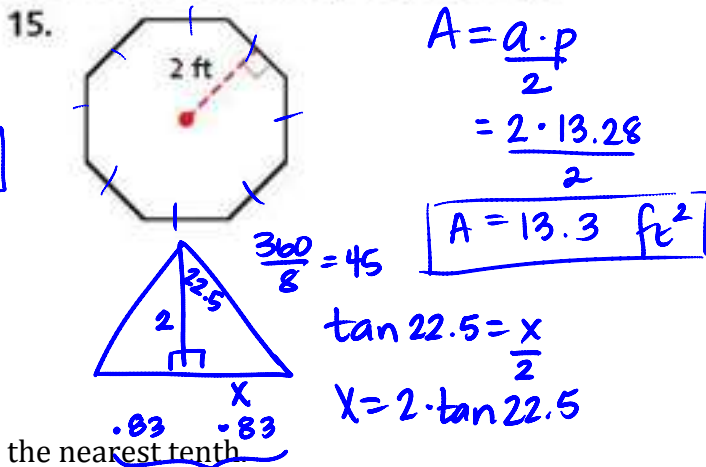
10.  $A = \pi r^2 = \pi(7)^2 = 49\pi \text{ yd}^2$

11. the circumference of $\odot Z$

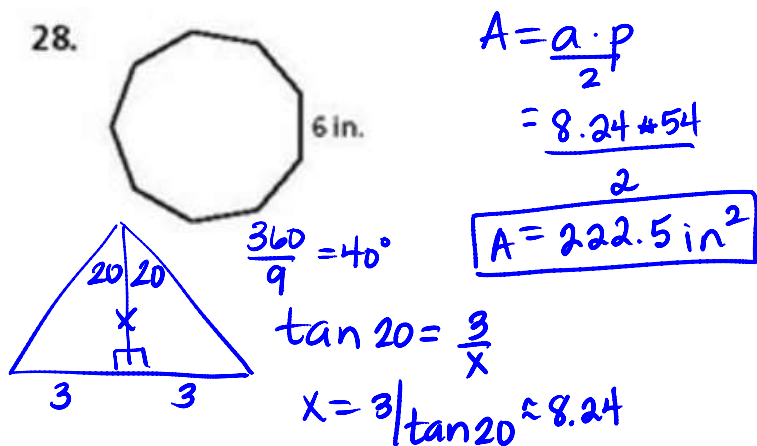
11.  $C = \pi d = 5\pi \text{ m}$

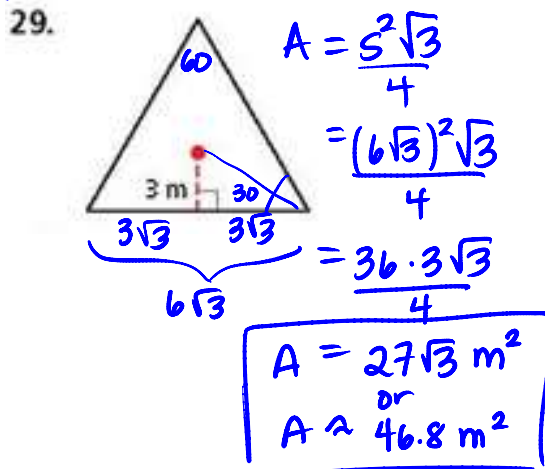
Find the area of each regular polygon. Round to the nearest tenth, if necessary.

14. 

15. 

28-29) Find the area of the regular polygon. Round to the nearest tenth.

28. 

29. 

34-37

Find the missing measurements for each circle. Give your answers in terms of π .

	Diameter d	Radius r	Area A	Circumference C
34.	6	3	9π	6π
35.	20	10	100	20π
36.	34	17	289π	34π
37.	36	18	324π	36π

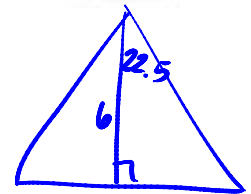
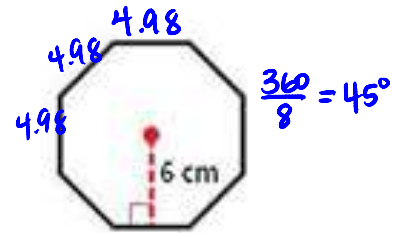
43) Find the perimeter of the regular octagon to the nearest centimeter.

a) 5

b) 40

c) 20

d) 68



$$\tan 22.5 = \frac{x}{6}$$

$$x = 6 \tan 22.5$$

$$x \approx 2.49$$