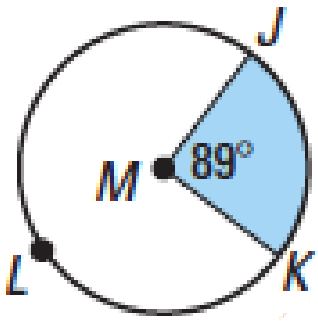
No Bellwork
04/20/2012

# Review 11.5

16. Find the radius of $\odot M$.




$A = 12.36 \text{ m}^2$

$$12.36 = \frac{89}{360} \cdot \pi r^2$$

$$12.36 = \frac{89\pi}{360} \cdot r^2$$

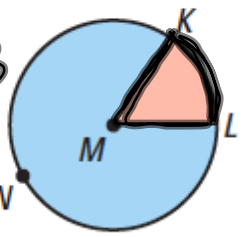
$$r^2 = \frac{12.36}{1} \cdot \frac{360}{89\pi}$$

$$\sqrt{r^2} = \sqrt{\frac{2224.8}{445\pi}}$$

$$r = 3.99 \text{ m}$$

**FINDING MEASURES** The area of $\odot M$ is 260.67 square inches. The area of sector $KML$ is 42 square inches. Find the indicated measure.

20. Radius of $\odot M$ 9.11
21. Circumference of $\odot M$ 57.23
22. $m\overset{\frown}{KL}$ 58°
23. Perimeter of blue region 66.23
24. Length of $\overset{\frown}{KL}$ 9.22
25. Perimeter of red region 27.44




25. $9.22+9.11+9.11$

Perimeter = 27.44

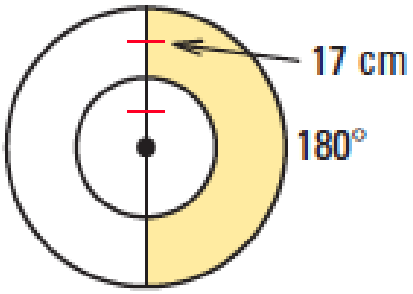
23. $57.23-9.22=$

$\overset{\frown}{KML} = 48.01$

Perimeter =

$48.01+9.11+9.11$

$= 66.23$




$A_l = 34^2\pi$

$A_l = \frac{1156\pi}{2}$

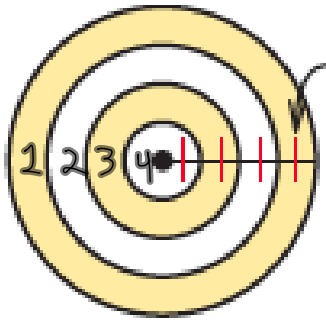
$A_l = 578\pi$

$A_s = \frac{289\pi}{2}$

$578\pi - \frac{289\pi}{2}$

$A = \frac{867\pi}{2}\ cm^2$

$A = 1361.88\ cm^2$




$64\pi - 36\pi$

$+16\pi - 4\pi$

$A = 40\pi\ ft^2$

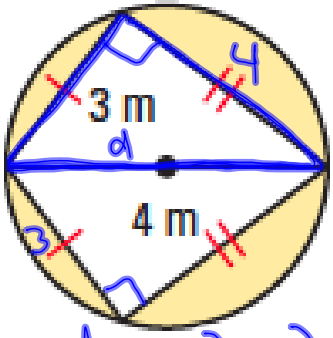
$A = 125.6$

$A_1 = 8^2\pi = 64\pi$

$A_2 = 6^2\pi = 36\pi$

$A_3 = 4^2\pi = 16\pi$

$A_4 = 2^2\pi = 4\pi$




$d^2 = 3^2 + 4^2$

$d = 5$

$r = 2.5$

$A_t = \frac{3 \cdot 4}{2} = 6\ m^2$

$A_t = \frac{3 \cdot 4}{2} = 6\ m^2$

$+ \quad 6\ m^2$

$12\ m^2$

$A_c = (2.5)^2\pi$

$A_c = 6.25\pi$

$A = 6.25\pi - 12\ m^2$

$A = 7.63\ m^2$

# Worksheet 11.5B