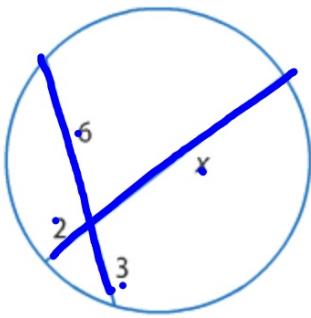


Geometry
Review Ch. 10

Quiz 10.7-10.8 today

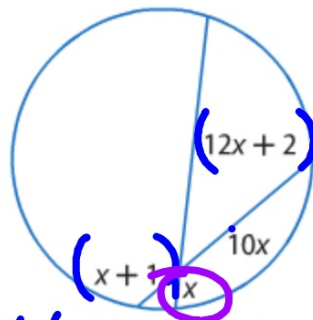
Test Ch. 10 Thurs.
Whiteboards

32.



$$6 \cdot 3 = 2 \cdot x$$

33.



$$y(12x+2) = (x+1)(10x)$$

$$\begin{array}{r} 12x^2 + 2x = 10x^2 + 10x \\ -10x^2 - 10x \quad -10x^2 - 10x \\ \hline \end{array}$$

$$2x^2 - 8x = 0$$

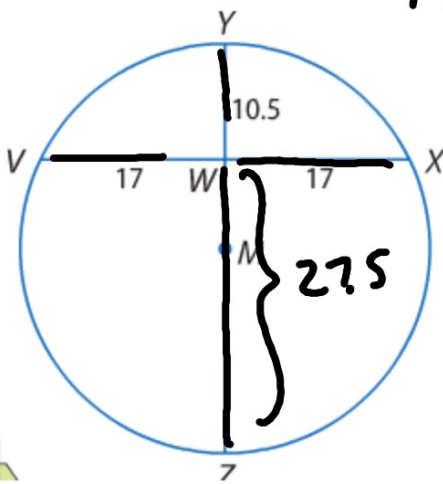
$$2x(x-4) = 0$$

~~$x=0$~~ $2x=0$ $x-4=0$ $x=4$

Find the diameter of circle M .

$$d = 38$$

$$r = 19$$

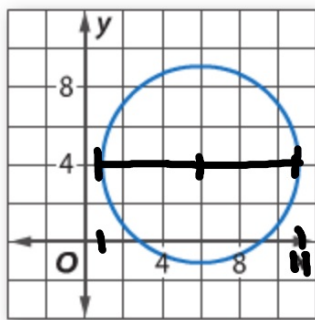


$$17^2 = 10.5x$$

$$27.5 = x$$



Write the equation of the circle graphed below.



$$(x - 6)^2 + (y - 4)^2 = 25$$

10-8 Equations of Circles

Write the equation of each circle.

35. center at $(-2, 4)$, radius 5

$$(x+2)^2 + (y-4)^2 = 25$$

36. center at (1, 2), diameter 14 ^{$r=7$}

$$(x-1)^2 + (y-2)^2 = 49$$

$$x^2 + y^2 - 6x + 8y = 16$$

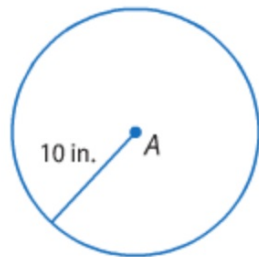
$$(x^2 - 6x + 9) + (y^2 + 8y + 16) = 16 + 9 + 16$$

Quiz 10.7-10.8

$$(x-3)^2 + (y+4)^2 = 41$$

Example 1

Find the circumference of $\odot A$.



$$A = \pi r^2$$
$$= 100\pi$$

$$C = \pi \cdot d$$
$$= (3.14)(20)$$

Find the diameter and radius of a circle with the given circumference. Round to the nearest hundredth.

13. $C = 43$ cm

14. $C = 26.7$ yd

$$C = \pi \cdot d$$

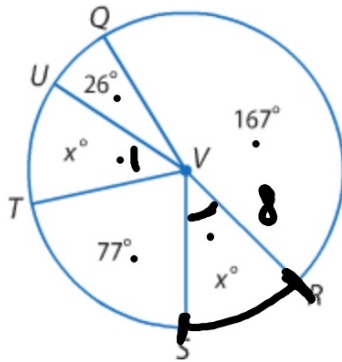
$$43 = \pi \cdot d$$

$$13.69 = d$$

$$6.84 = r$$

Example 2

Find the value of x .



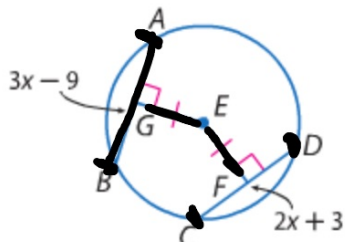
$$360 - 270 = 2x$$

$$x = 45^\circ$$

$$\frac{45}{360} \cdot (\pi \cdot 16)$$

Example 3

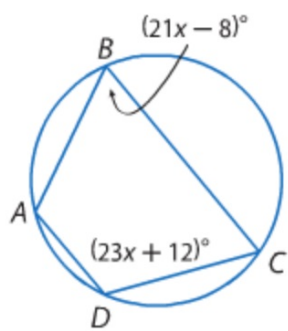
ALGEBRA In $\odot E$, $EG = EF$. Find AB .



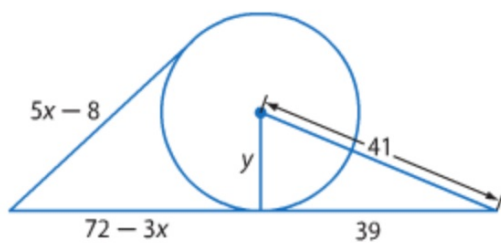
$$3x - 9 = 2x + 3$$

Example 4

Find $m\angle D$ and $m\angle B$.

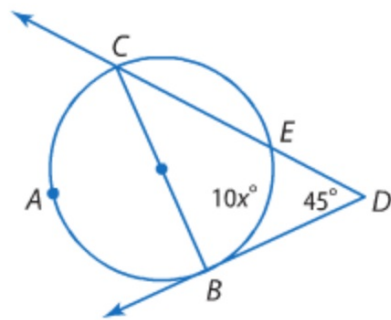


28. Find x and y . Assume that segments that appear to be tangent are tangent. Round to the nearest tenth if necessary.



Example 6

Find the value of x .



33.

