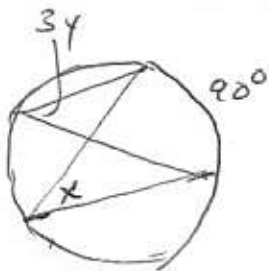


61



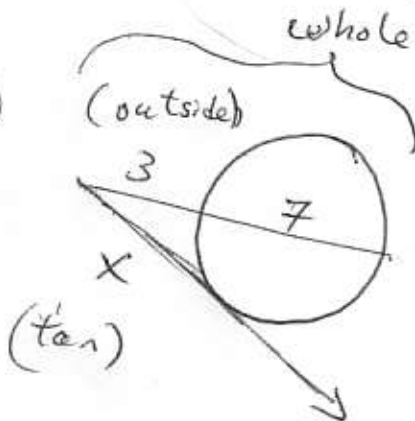
$$x = \frac{1}{2}(90^\circ) = 45^\circ$$

$$3y = \frac{1}{2}(90^\circ) = 45^\circ$$

$$3y = 45^\circ$$

$$y = 15^\circ$$

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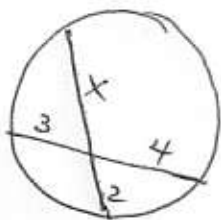
$$\tan^2 = \text{outside} \times \text{whole}$$

$$x^2 = 3(10)$$

$$x^2 = 30$$

$$x = \sqrt{30} = 5.48$$

63

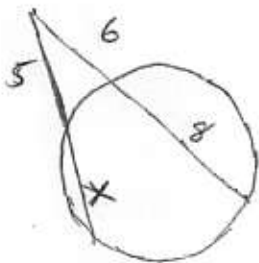


$$2 \cdot x = 3 \cdot 4$$

$$2x = 12$$

$$x = 6$$

64



$$\begin{array}{cccc} \text{outside} & \times & \text{whole} & = & \text{outside} & \times & \text{whole} \\ \downarrow & & \downarrow & & \downarrow & & \downarrow \\ 5 & & (x+5) & & 6 & & (6+8) \\ & & & & & & \text{or} \\ & & & & & & 14 \end{array}$$

$$5(x+5) = 6 \cdot 14$$

$$5x + 25 = 84$$

$$5x = 59$$

$$x = 11.8$$