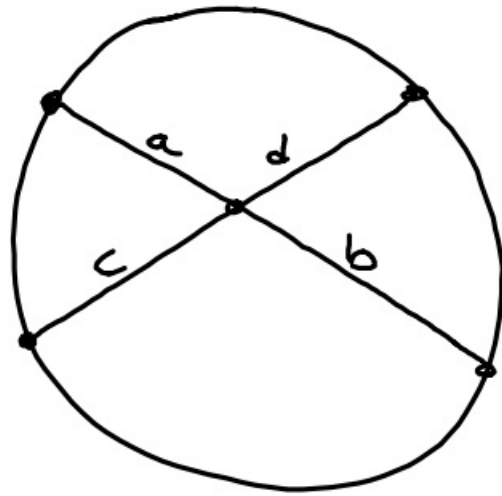
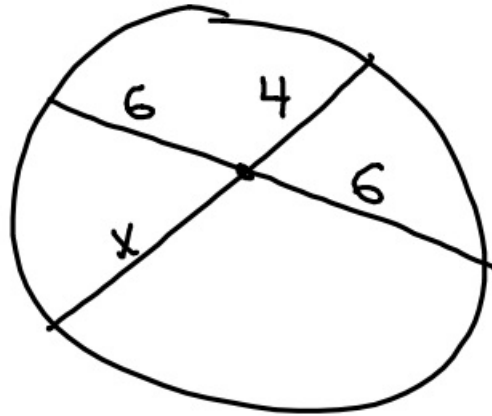


1-31-19 5th Geo



$$ab = c \cdot d$$

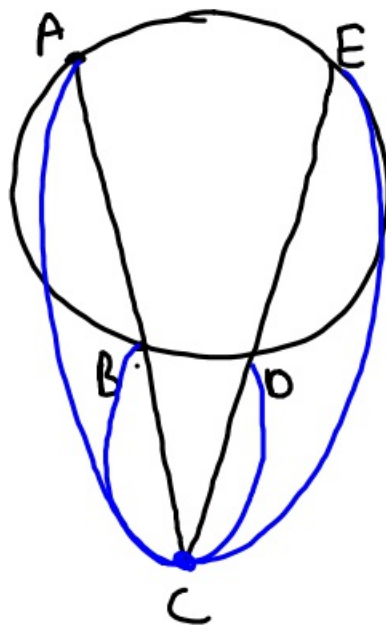
①



$$4x = 6 \cdot 6$$

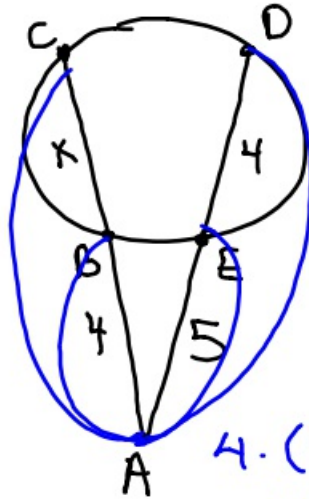
$$4x = 36$$

$$x = 9$$



$$CB \cdot CA = CD \cdot CE$$

②



$$4 \cdot (4+x) = 5 \cdot 9$$

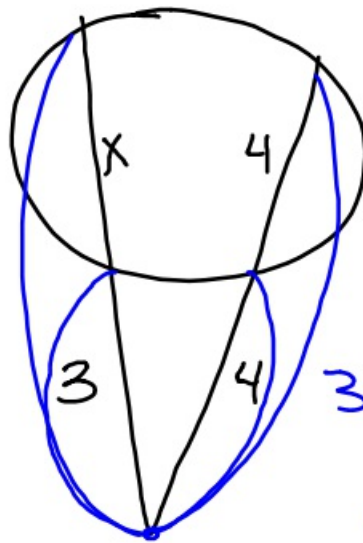
$$16 + 4x = 45$$

$$\begin{array}{r} -16 \quad -16 \\ \hline \end{array}$$

$$\frac{4x}{4} = \frac{29}{4}$$

$$x = 7.25$$

③



$$3 \cdot (3+x) = 4 \cdot 8$$

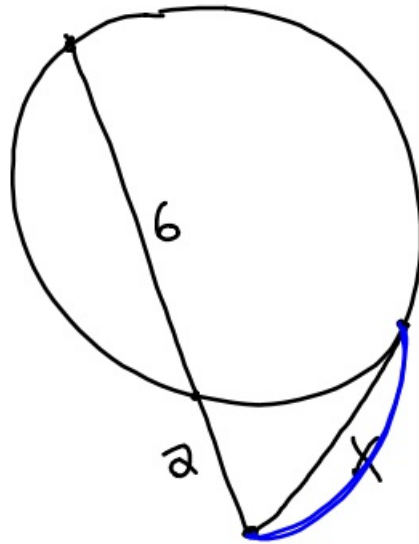
$$9 + 3x = 32$$

$$\begin{array}{r} -9 \quad -9 \\ \hline \end{array}$$

$$\frac{3x}{3} = \frac{23}{3}$$

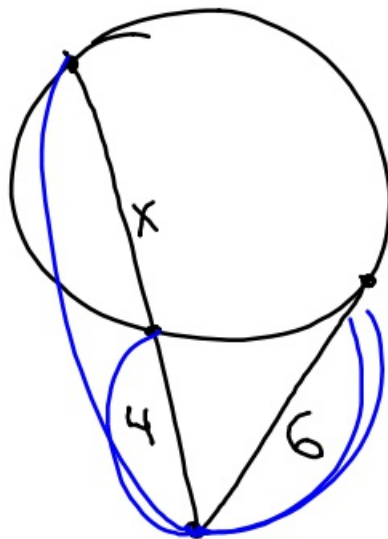
$$x = 7\frac{2}{3}$$

4



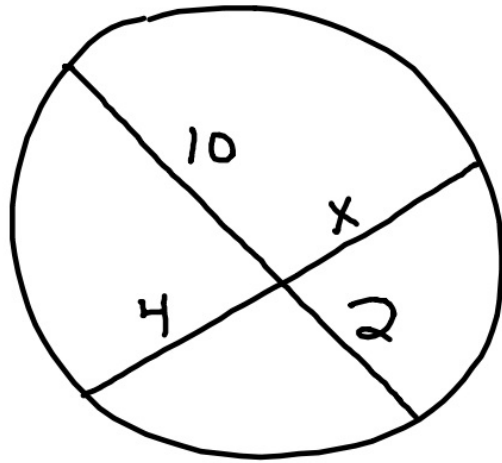
$$\begin{aligned}2 \cdot 8 &= x \cdot x \\ \sqrt{16} &= \sqrt{x^2} \\ 4 &= x\end{aligned}$$

5



$$\begin{aligned}4 \cdot (4+x) &= 6 \cdot 6 \\ 16+4x &= 36 \\ 4x &= 20 \\ x &= 5\end{aligned}$$

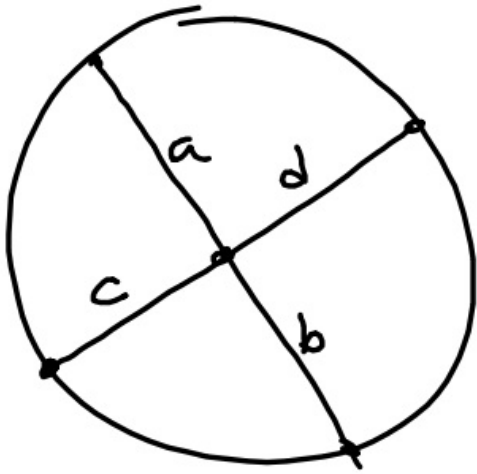
6



$$4 \cdot x = 10 \cdot 2$$

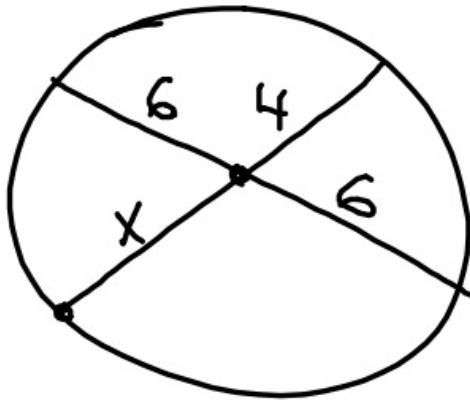
$$x = 5$$

1-31-19 6th Geo



$$ab = cd$$

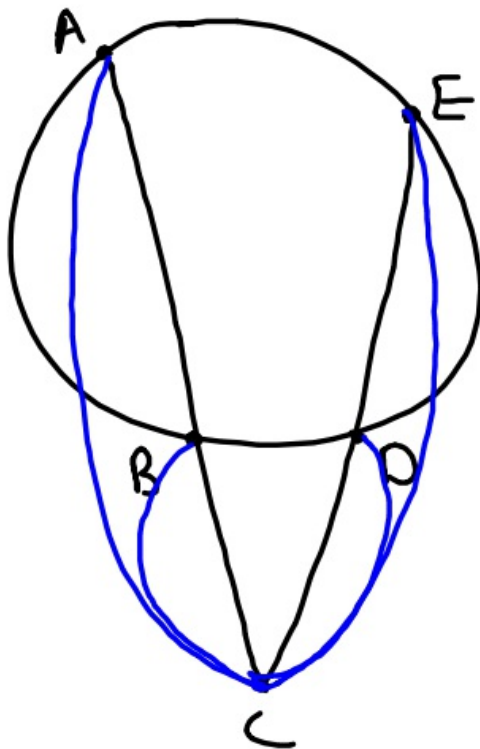
①



$$4 \cdot x = 6 \cdot 6$$

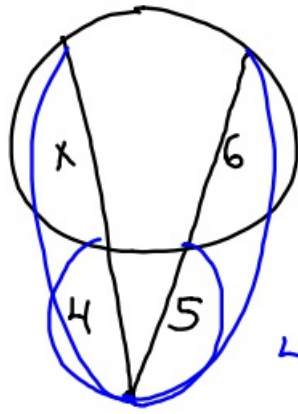
$$4x = 36$$

$$x = 9$$



$$CB \cdot CA = CD \cdot CE$$

②



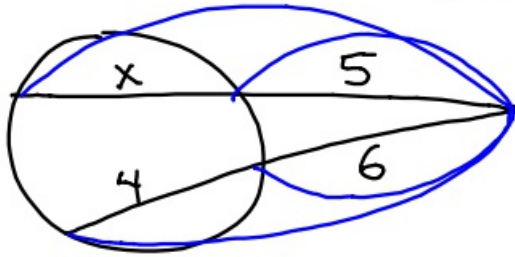
$$4 \cdot (4+x) = 5 \cdot 11$$

$$16 + 4x = 55$$

$$\begin{array}{r} -16 \\ \hline 4x = 39 \\ \hline \frac{4x}{4} = \frac{39}{4} \end{array}$$

$$x = 9\frac{3}{4} (9.75)$$

③



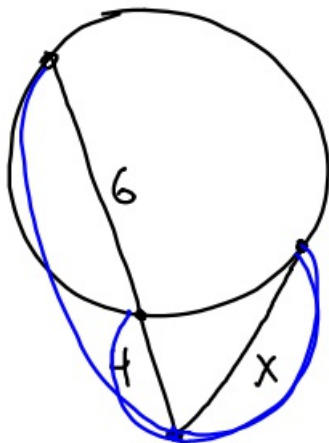
$$5 \cdot (5+x) = 6 \cdot 10$$

$$25 + 5x = 60$$

$$\begin{array}{r} -25 \\ \hline 5x = 35 \end{array}$$

$$x = 7$$

④

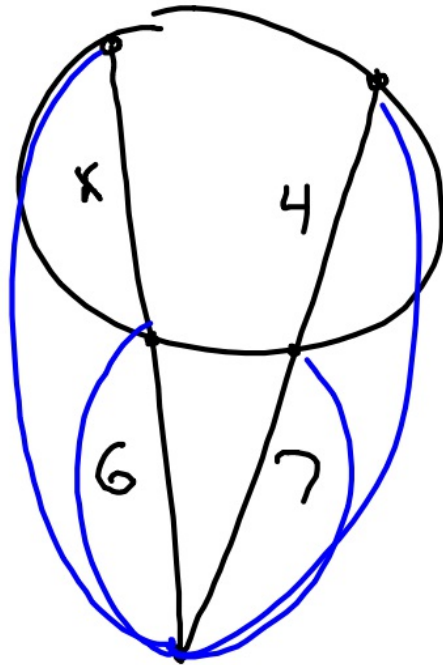


$$4 \cdot 10 = x \cdot x$$

$$\sqrt{40} = \sqrt{x^2}$$

$$x \approx 6.3$$

5



$$6 \cdot (6 + x) = 7 \cdot 11$$

$$\begin{array}{r} 36 + 6x = 77 \\ -36 \quad \quad -36 \\ \hline \end{array}$$

$$\frac{6x}{6} = \frac{41}{6}$$

$$x = 6 \frac{5}{6}$$