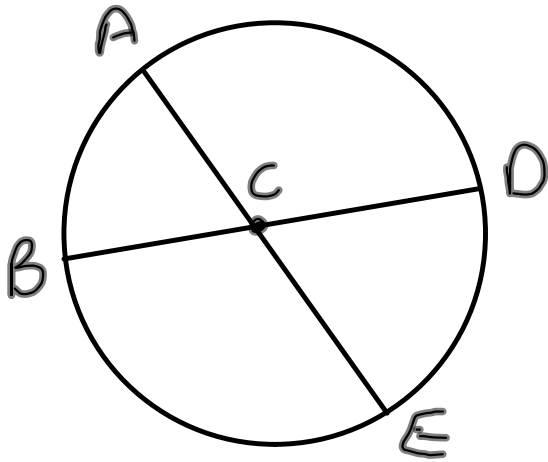
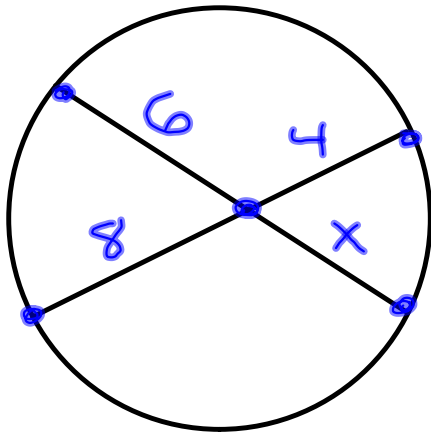


3-12-14
5th Geo



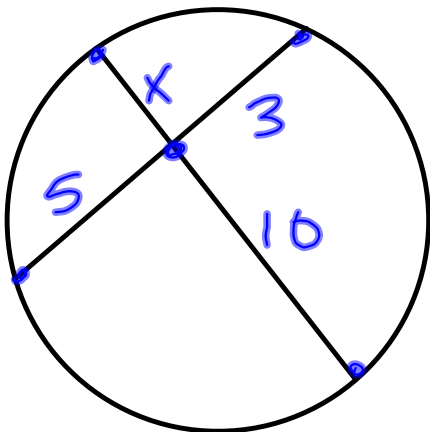
$$AC \cdot CE = BC \cdot CD$$



$$6 \cdot x = 8 \cdot 4$$

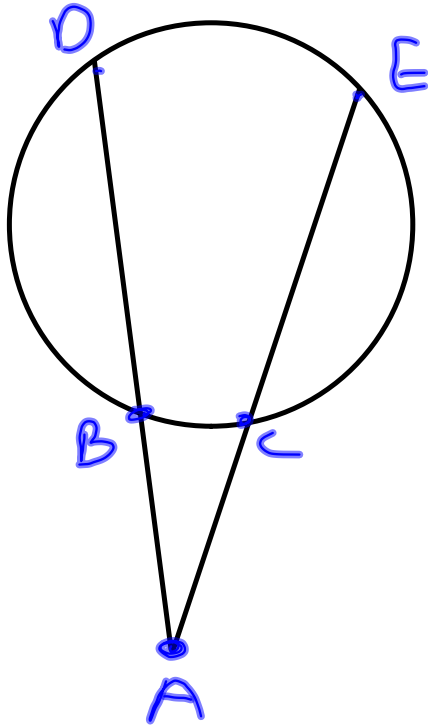
$$\frac{6x}{6} = \frac{32}{6}$$

$$x = 5 \frac{2}{6} = 5 \frac{1}{3}$$

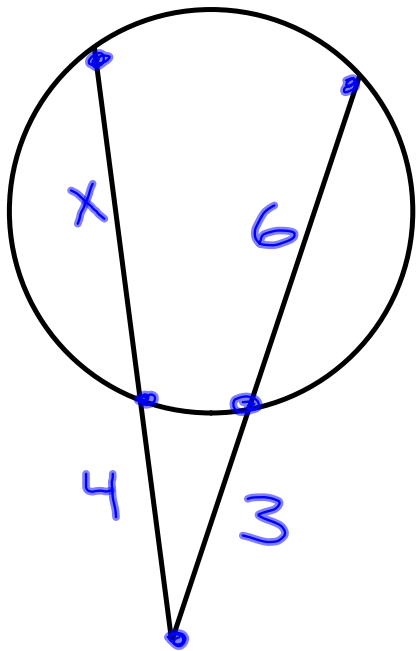


$$10x = 5 \cdot 3$$

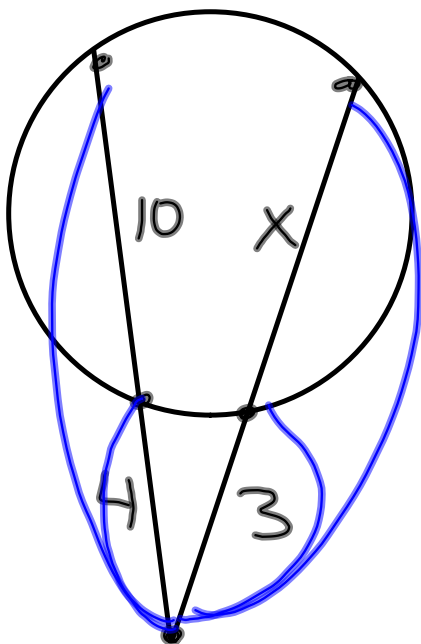
$$x = 1 \frac{1}{2}$$



$$AB \cdot AD = AC \cdot AE$$



$$\begin{aligned}
 4 \cdot (4+x) &= 3 \cdot 9 \\
 16 + 4x &= 27 \\
 -16 &\quad -16 \\
 \hline
 4x &= 11 \\
 \frac{4x}{4} &= \frac{11}{4} \\
 x &= 2\frac{3}{4}
 \end{aligned}$$



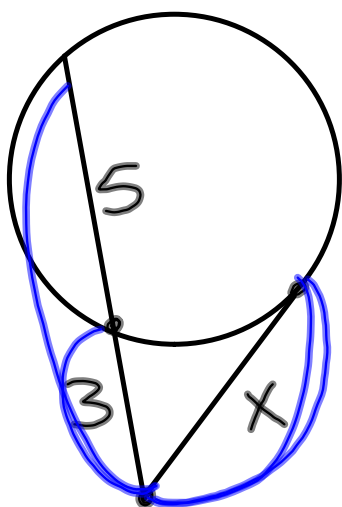
$$3 \cdot (3+x) = 4 \cdot 14$$

$$9 + 3x = 56$$

$$\begin{array}{r} -9 \\ \hline 3x = 47 \end{array}$$

$$\frac{3x}{3} = \frac{47}{3}$$

$$x = 15\frac{2}{3}$$

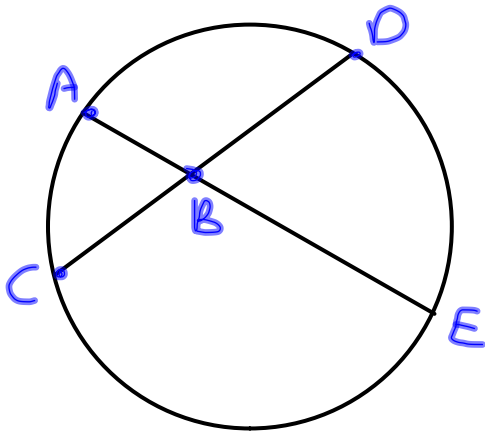


$$x \cdot x = 3 \cdot 8$$

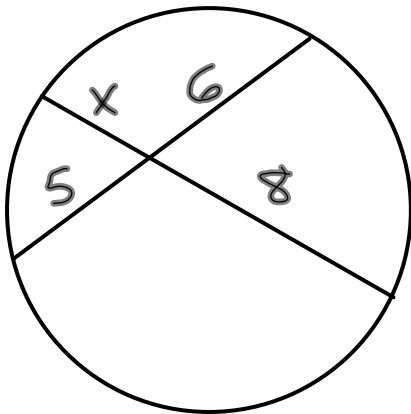
$$\sqrt{x^2} = \sqrt{24}$$

$$x \approx 4.9$$

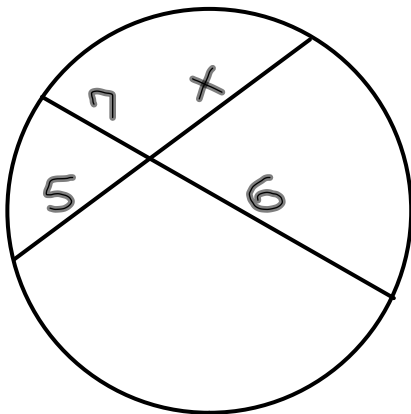
3-12-14
6th Geo



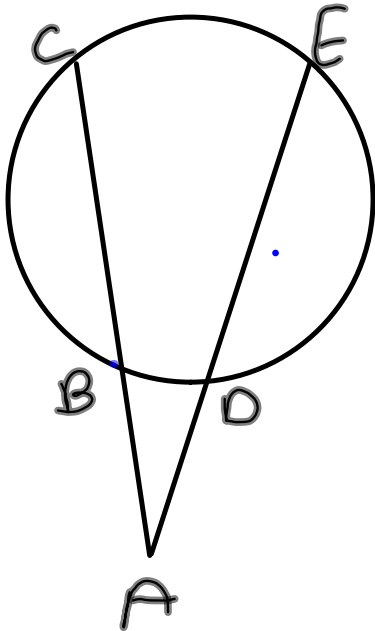
$$AB \cdot BE = CB \cdot BD$$



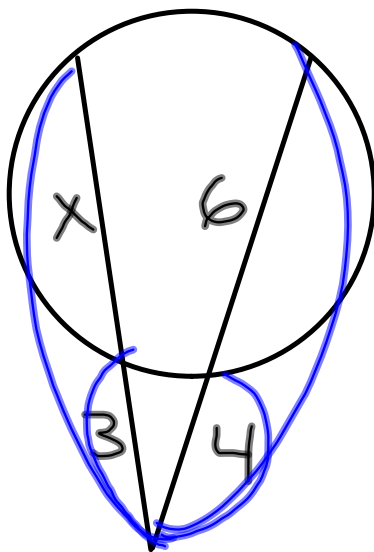
$$\begin{aligned} 8x &= 6 \cdot 5 \\ \frac{8x}{8} &= \frac{30}{8} \\ x &= 3 \frac{6}{8} \\ &= 3 \frac{3}{4} \end{aligned}$$



$$\begin{aligned} 5 \cdot x &= 7 \cdot 6 \\ \frac{5x}{5} &= \frac{42}{5} \\ x &= 8 \frac{2}{5} \end{aligned}$$



$$AB \cdot AC = AD \cdot AE$$



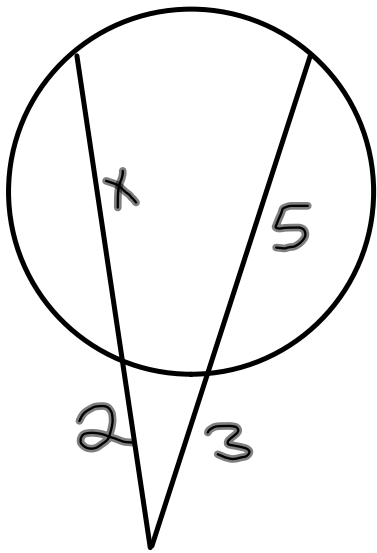
$$3 \cdot (3+x) = 4 \cdot 10$$

$$9 + 3x = 40$$

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

$$\frac{3x}{3} = \frac{31}{3}$$

$$x = 10 \frac{1}{3}$$



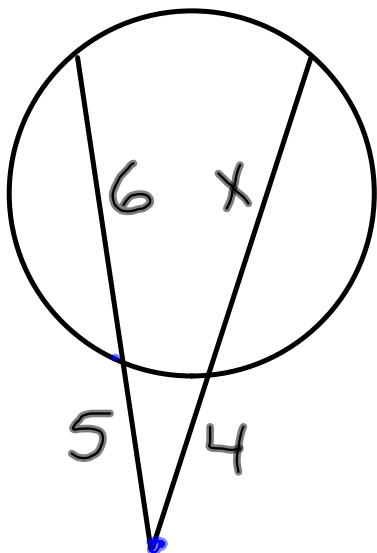
$$2 \cdot (2+x) = 3 \cdot 5$$

$$4 + 2x = 15$$

$$\begin{array}{r} -4 \\ \hline 2x = 11 \end{array}$$

$$2x = 11$$

$$x = 5.5$$



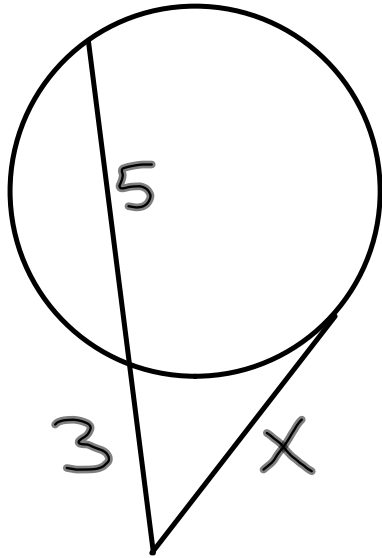
$$5 \cdot (5+x) = 4 \cdot 11$$

$$25 + 5x = 44$$

$$\begin{array}{r} -25 \\ \hline 5x = 19 \end{array}$$

$$\frac{5x}{5} = \frac{19}{5}$$

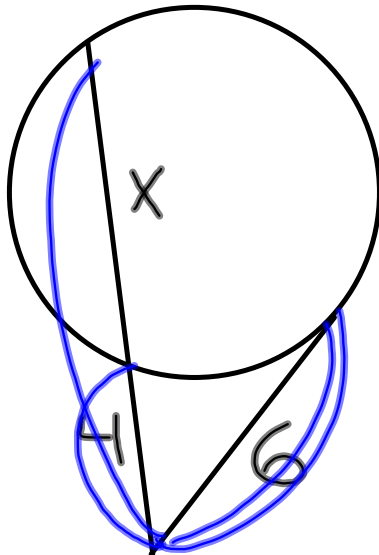
$$x = 3.8$$



$$x \cdot x = 3 \cdot 8$$

$$\sqrt{x^2} = \sqrt{24}$$

$$x \approx 4.9$$



$$4 \cdot (4+x) = 6 \cdot 6$$

$$16 + 4x = 36$$

$$\begin{array}{r} -16 \\ \hline 4x = 20 \end{array}$$

$$4x = 20$$

$$x = 5$$