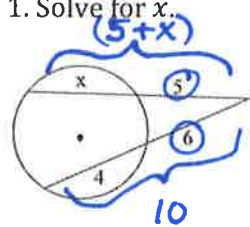


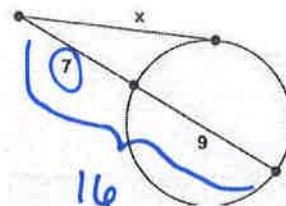
Please, show ALL your work. Keep this for examples in your notes.

1. Solve for x .



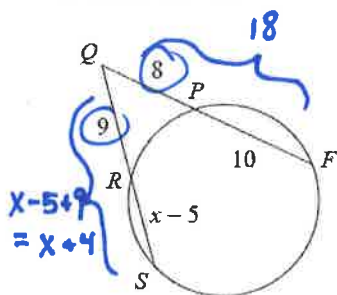
$$\begin{aligned}
 W \cdot O &= W \cdot O \\
 (5+x) \cdot 5 &= 10 \cdot 4 \\
 25 + 5x &= 40 \\
 5x &= 15 \\
 x &= 3
 \end{aligned}$$

2. Solve for x .



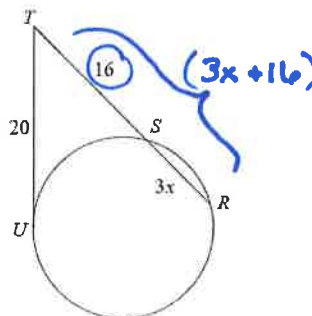
$$\begin{aligned}
 W \cdot O &= \tan^2 \\
 16 \cdot 7 &= x^2 \\
 \sqrt{112} &= \sqrt{x^2} \\
 10.6 &\approx x
 \end{aligned}$$

3. Solve for SR .



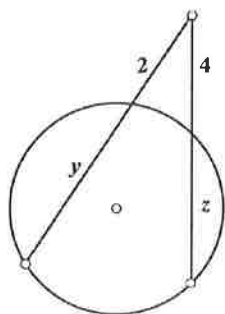
$$\begin{aligned}
 W \cdot O &= W \cdot O \\
 18 \cdot 8 &= (x+4) \cdot 9 \\
 144 &= 9x + 36 \\
 108 &= 9x \\
 12 &= x
 \end{aligned}$$

4. Solve for SR .

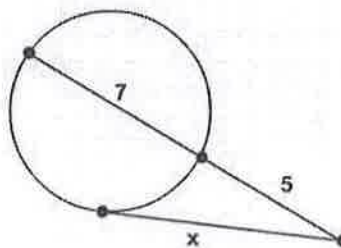


$$\begin{aligned}
 W \cdot O &= \tan^2 \\
 (3x+16) \cdot 16 &= 20^2 \\
 48x + 256 &= 400 \\
 48x &= 144 \\
 x &= 3
 \end{aligned}$$

5. If $z = 8$, find y .



6. Solve for x . Round to the nearest tenth if necessary



7. Solve for EC . Round to the nearest tenth if necessary

