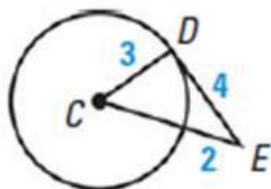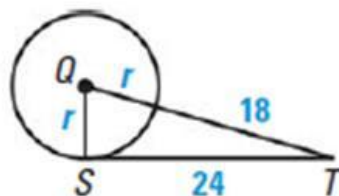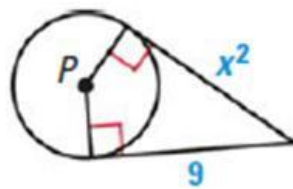Is $\overline{DE}$ tangent to $\odot C$?

$\overline{ST}$ is tangent to $\odot Q$. Find the value of r.

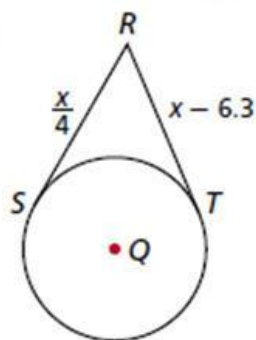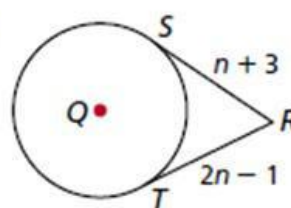Find the value(s) of x.

$\overline{RS}$ and $\overline{RT}$ are tangent to $\odot Q$. Find RS.
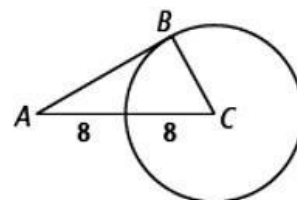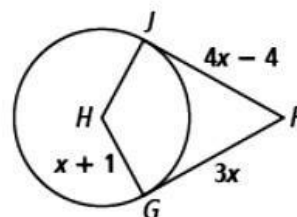
4a.

4b.

In Exercises 1 and 2, segment $\overline{AB}$ is tangent to $\odot C$. Find each value.

1. AB _____ or _____

2. $m\angle ABC$

In Exercises 3–5, find each value.

3. $\overline{JF}$ and $\overline{GF}$ are tangent to $\odot H$. What is HJ?

4. $\overline{KL}$, $\overline{LM}$, $\overline{MN}$, and $\overline{KN}$ are tangent to the circle. What is the perimeter of $KLMN$?