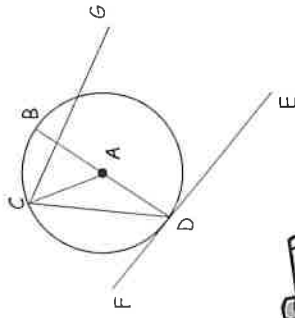


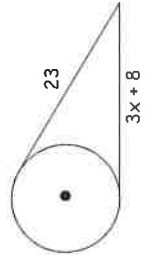
Vocabulary

Name:

- All radii $\overline{AB}, \overline{AC}, \overline{AD}$
- All chords $\overline{CD}, \overline{BD}$
- All diameters \overline{BD}
- The circle $\odot A$
- A secant \overline{CG}
- A tangent \overline{FE}
- A right angle $\angle ADE$
- An arc less than half way around the circle \widehat{BG}

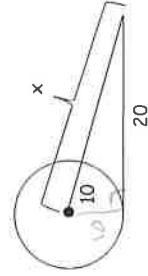


Practice



$$3x + 8 = 23$$

$$x = 5$$

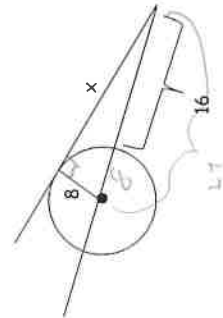


$$10^2 + 20^2 = x^2$$

$$22.4 = x$$



Practice

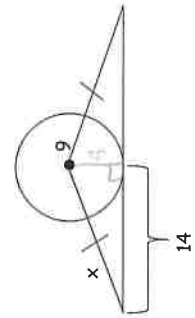


$$8^2 + x^2 = 24^2$$

$$22.6$$

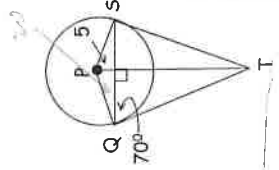


Practice



$$9^2 + 14^2 = x^2$$

$$16.6$$



Find:
 $\angle PST$
 PQ
 QS
 QT

$$\sin 70 = \frac{x}{20}$$

$$PQ = 14.6$$

$$\tan 70 = \frac{x}{14.6}$$

$$x = 13.7$$

$$QS = 13.7$$

$$QT = 27.4$$

$$QT = 40.1$$

$$\cos 70 = \frac{13.7}{20}$$

$$QT$$



