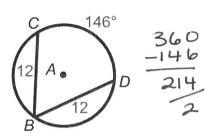
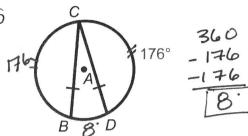
Find the value of the indicated arc in ⊙A.

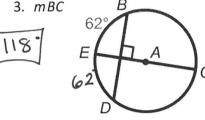




2. \widehat{mBD}

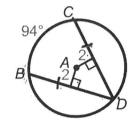


3. $m\widehat{BC}$



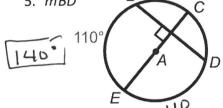
$$\frac{360}{-62}$$
 $\frac{-62}{236/2}$
 $\frac{-118}{00}$

4. \widehat{mBD}

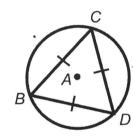


$$\frac{360}{-94}$$
 $\frac{266}{2} = 133$

5. \widehat{mBD}

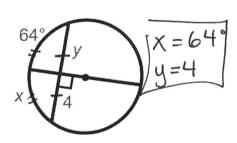


6. \widehat{mBD}

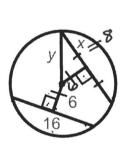


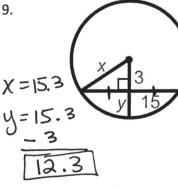
Find the value of x and/or y.

7.



8.





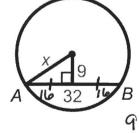
$$\frac{15}{15}$$

$$3^{2}+15^{2}=\chi^{2}$$

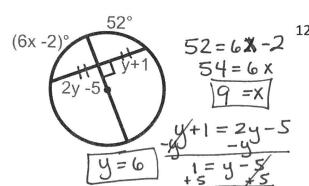
$$234=\chi^{2}$$

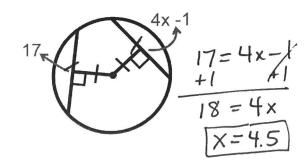
$$15.3=\chi$$

10. AB = 32

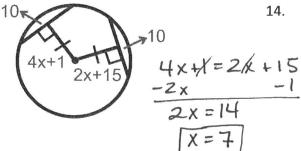


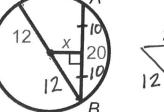






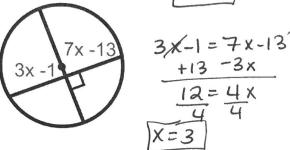
13.





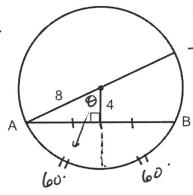
$$\begin{array}{c|cccc}
 & 12 & 10 \\
 & B & 12 & 10 \\
 & & \times^2 + 10^2 = 12^2 \\
 & & \times^2 + 100 = 144 \\
 & & \times^2 + 100 = 100 \\
 & & \times^2 = 44 \\
 & & \times^2 + 100 = 100
\end{array}$$

15.

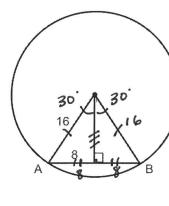


16. Find the measure of \widehat{AB} in each diagram below.

a.



b.

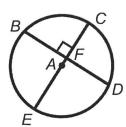


19.

$$\frac{16}{8}$$
 $\frac{8}{16}$
 $\frac{8}{16}$
 $\frac{8}{16}$
 $\frac{8}{16}$
 $\frac{8}{16}$
 $\frac{8}{16}$

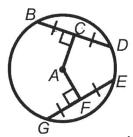
In problems 17-19, what can you conclude about the picture? State a theorem that justifies your answer. You may assume that A is the center of the circle.

17.



Diameter-chord Thm.

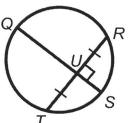
18.



radius is a 1 bisector

to a chard.
Equidistant Chord Theorem

AC \$\alpha AF\$



Diameter - Chord Theorem QS is a diameter