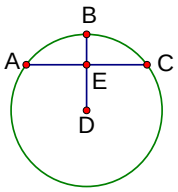
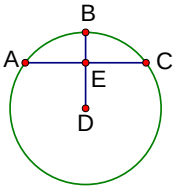
Chapter 8: Circles
Section 8-4: Arcs and Chords
Classwork

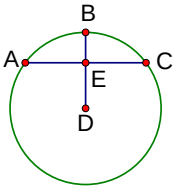
Name _____
Date _____
Period _____

1. 

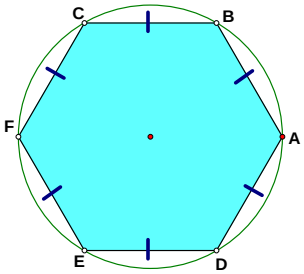
$AC \perp BD$
$m\overset{\frown}{ABC} = 94^\circ$
Find $\overset{\frown}{AB}$ _____

2. 

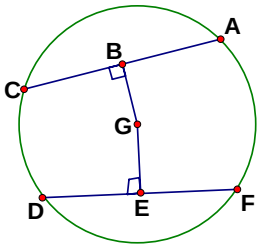
$AC \perp BD$
$m\overline{AE} = 4$
Find $\overline{AC}$ _____

3. 

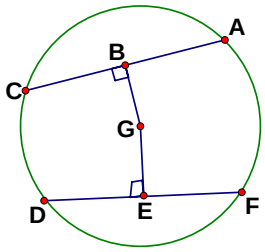
$AC \perp BD$
$m\overline{AC} = 12$
$m\overline{DE} = 8$
Find the radius_____

4. 

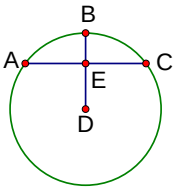
Find $\overset{\frown}{AB}$ _____
Find $\overset{\frown}{ABF}$ _____
Find $\overset{\frown}{ABD}$ _____

5. 

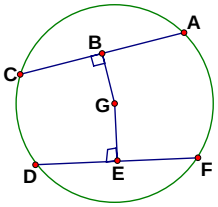
$\overline{GB} \cong \overline{GE}$
$m\overline{EF} = 10$
Find $\overline{DF}$ _____

6. 

$\overline{GB} \cong \overline{GE}$
$m\overline{EF} = 5$
Find $m\overline{CA}$ = ____

7. 

$AC \perp BD$
$DA = 17$
$m\overline{ED} = 8$
Find AC _____

8. 

$\overline{AC} \cong \overline{DF}$
$m\overset{\frown}{AC} = 100^\circ$
Find $m\overset{\frown}{DF}$ _____

9. Suppose a chord is 9 meters from the center of a circle. It is 20 meters long. Find the length of the radius. _____

10. Find the length of a chord 4 inches from the center of a circle with a radius of 5 inches.

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