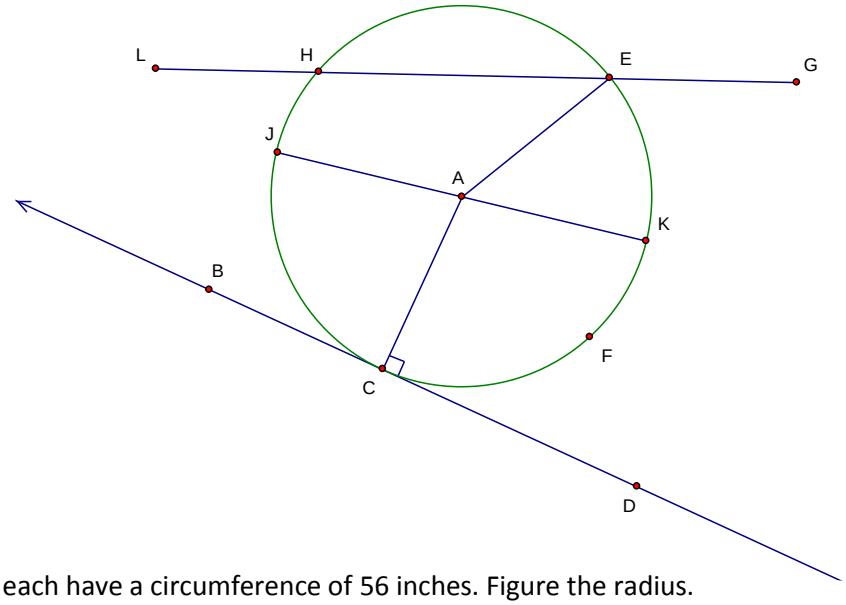
Geometry
Chapter 10 Review

Name _____
Date _____ Hour _____



_____ 1) Name a radius.
A) $\overline{JK}$ B) $\overline{HE}$ C) $\overline{AC}$ D) $\overline{CE}$

_____ 2) Name a chord.
A) $\overline{EH}$ B) $\overline{JL}$ C) $\overline{CD}$ D) $\overline{LH}$

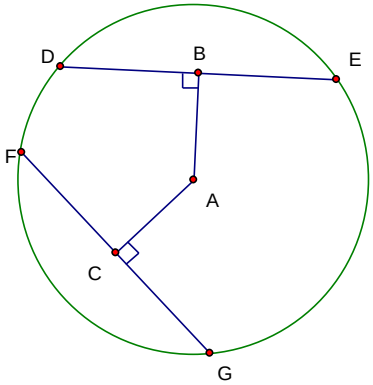
_____ 3) Name a tangent.
A) $\overleftrightarrow{JK}$ B) $\overleftrightarrow{CD}$ C) $\overleftrightarrow{LG}$ D) $\overline{JB}$

_____ 4) Name a secant.
A) $\overline{CD}$ B) $\overleftrightarrow{LG}$ C) $\overleftrightarrow{BD}$ D) $\overleftrightarrow{BL}$

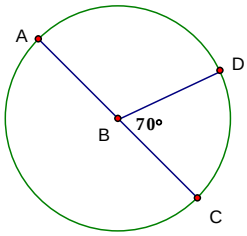
_____ 5) Name a diameter.
A) $\overline{EAC}$ B) $\overline{JK}$ C) $\overline{AK}$ D) $\overline{HE}$

_____ 6) The wheels on Mike's bike each have a circumference of 56 inches. Figure the radius.

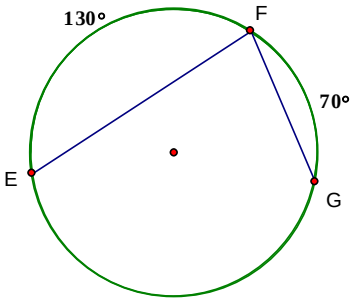
_____ 7) $In\ \odot A\ , DE = 14\ cm,\ AB = 5\ cm,\ and\ AC = 5\ cm.\ Find\ CF.$



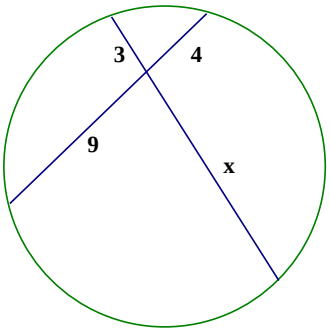
_____ 8) $For\ \odot B, find\ m\widehat{AD}.$



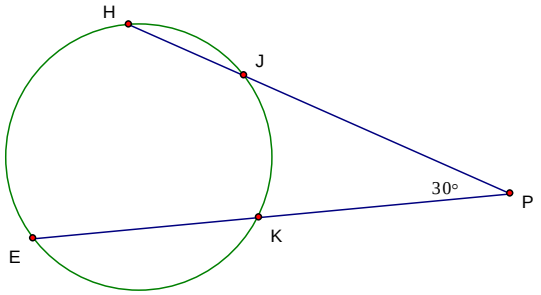
_____ 9) $Find\ m\angle F.$



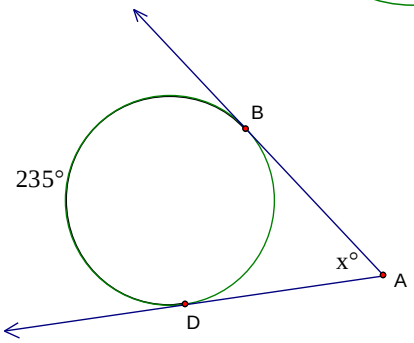
_____ 10) $Find\ x.$



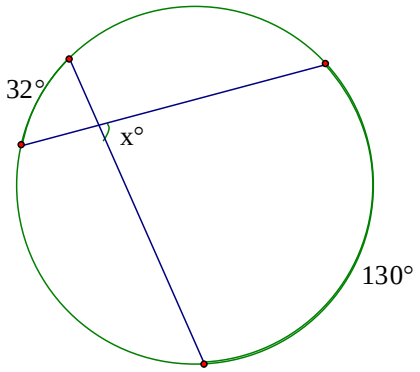
_____ 11) $m\overset{\frown}{HE} = 100$. Find $m\overset{\frown}{JK}$.



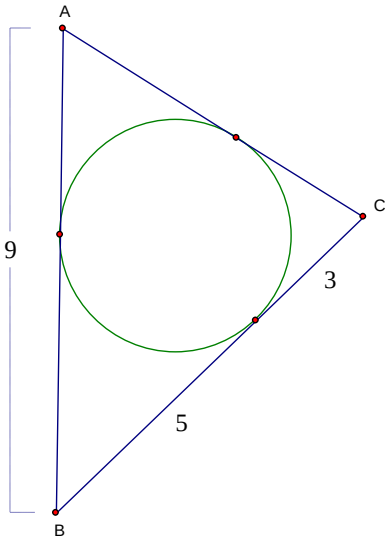
_____ 12) Find x.



_____ 13) Find x.



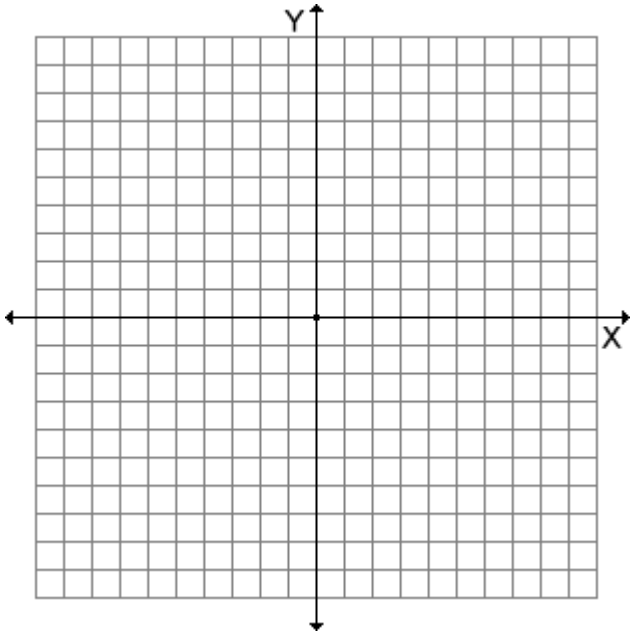
_____ 14)



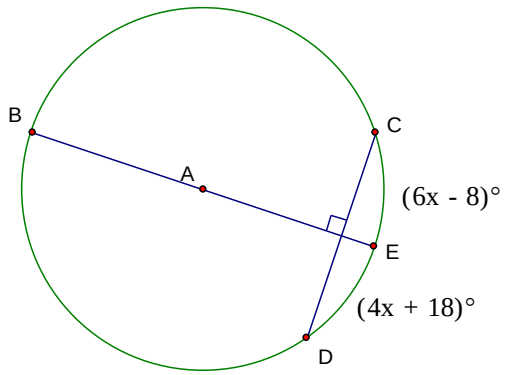
Find the perimeter of $\triangle ABC$.

15) Graph the circle with equation:

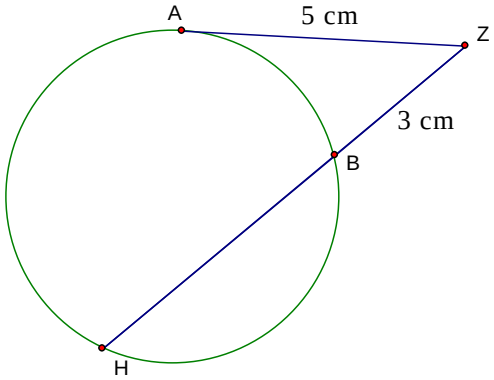
$$(x-2)^2 + (y-3)^2 = 25$$



_____ 16) Find $m\overset{\frown}{BC}$.



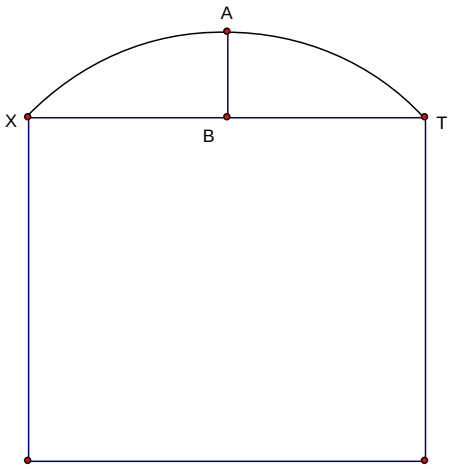
_____ 17) Find BH.



_____ 18) Find the <u>arc length</u> for an arc with measure = 150^0 in a circle with diameter = 16 in.

_____ 19) A carpenter is forming an arched window above this doorway.

Door width = 70 in. Arch height = 15 in.

The arch is part of a larger circle.

What is the radius of the circle the carpenter will use in his plans?