Circles A – Review Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Geometry

**Vocabulary**

1. A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ line intersects a circle at exactly one point.

2. A chord is a segments with both endpoints \_\_\_\_\_\_\_\_\_\_ a circle.

3. A circle is the set of all points that are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ from a point called the center.

4. T/F? The center of a circle is on the circle.

**Use properties of angles to solve the following.**

5. Find the following measures:

 DFB =

 $\hat{ACE}$ =

 $\hat{DC}$ =

 DFE =

 $\hat{BAE}$

 $\hat{BEA}$

6. mBAC = \_\_\_\_ 7. m$\hat{BC}$ = \_\_\_\_ 8. mBAC = \_\_\_\_



9. Find *x.* 10. Find *x.*

11. Find x. 12. Find *x*.

**A**

**B**

**C**

4x+16

8x-8

13. Find *x*  14. The radius of Circle G is 7cm. Find *x.*

 Find mG (*use trigonometry*)

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15. Find the length of the diameter $\overbar{JH}$ 16. Find the length of the radius.

 Find the length of the segment $\overbar{KL}$

17. The circle is inscribed in Quadrilateral MOPS.

 MO = 20, PO = 11, PS = 14

 Find *x*, then find the length of MS.