**Honors Math 3 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Unit 7 Review

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| *m*(arc *DE*) 1. *m*(arc *DE*)= 96 and *m*(arc *BC*) = 67. Find *m**A*. (The figure is not drawn to scale.)    *3.*  *3.* | 2.    is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.  is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.  is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.  is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.  is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.  R is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. |
| 3.**Solve for x in the following:** | 4.  a)  b) Find the missing arc. |

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| 5. The diameter of circle O has a length of 16 ft. What is the approximate area of the sector bounded by PQR and arc PQR. | 6. Convert the following degree measures to radians or vice versa.   1. radians 2. radians |
| 7. Find the area of the bolded sector.     1. b) | 8. Find the length of the arc.     1. b) |
| 9. A 40-inch pendulum swings through an angle of 18°. Find the length of the arc in inches through which the end of the pendulum swings. | 10. Find the area of a circular sector in square cm with radius 15 cm if the length of the intercepted arc is cm. |
| 11. | |