SECONDARY MATH II
DOMAIN 6 CIRCLES
WS 6.7 AREA OF A SECTOR OF A CIRCLE

NAME_____
DATE_____
CLASS_____

Area of a Circle

Find the area of each circle described. Round your answers to the nearest hundredth.

1. $r = 3$ cm

2. $r = 3\frac{1}{2}$ ft

3. $r = 2.3$ mm

4. $d = 13$ ft

5. $d = 2\frac{2}{3}$ mi

6. $d = 6.42$ in.

7. $C = 80$ mm

8. $C = 15.54$ in.

9. $C = 12\frac{1}{2}$ mi

In a circle with radius of 5 cm, find the area of a sector whose central angle has the following measure. Round to the nearest hundredth.

8. 10

9. 180

10. 36

11. 12

12. 120

13. 45