

**Skills Practice****Area of a Circle**

*Find the area of each circle to the nearest hundredth.*

1.  $r = 10$  in.

2.  $r = 18$  cm

3.  $r = 4$  mm

4.  $d = 50$  ft

5.  $d = 6$  in.

6.  $d = 30$  m

7.  $C = 31.42$  yd

8.  $C = 131.95$  m

9.  $C = 232.48$  ft

10.  $r = 1$  mi

11.  $d = 90$  m

12.  $C = 628.32$  ft

13.  $d = 300$  ft

14.  $r = 6$  in.

15.  $C = 150.80$  m

*A circle has a radius of 10 inches. Find the area of a sector whose central angle has the following measure. Round to the nearest hundredth.*

16.  $90^\circ$

17.  $30^\circ$

18.  $120^\circ$

19.  $45^\circ$

20.  $60^\circ$

21.  $135^\circ$

22.  $100^\circ$

23.  $150^\circ$

24.  $70^\circ$