

# Geometric Measurement Worksheet 1 - Answers

1. Given a circle with  $r = 2$  cm, find circumference  $C$ .

12.6 cm

2. Given a circle with  $C = 30$  cm, find radius  $r$ .

4.8 in.

3. Given a circle with  $r = 3.1$  mi, find area  $A$ .

30.2 mi<sup>2</sup>.

4. Given a circle with  $A = 28$  ft<sup>2</sup>, find radius  $r$ .

3 ft.

5. Given a cylinder with  $r = 7.8$  mm and  $h = 35.9$  mm, find  $V$ .

6,861.7 mm<sup>3</sup>.

6. Given a cylinder with  $V = 6700$  m<sup>3</sup> and  $r = 10.2$  mm, find  $h$ .

20.5 m

7. Given a cone with  $r = 7$  cm and  $h = 30$  cm, find  $V$ .

1539.4 cm<sup>3</sup>

8. Given a cone with  $V = 248.4$  cm<sup>3</sup> and  $h = 7.3$  cm, find  $r$ .

5.7 cm

9. Given a pyramid  $l = w = 3$  in and  $h = 6$  in, find  $V$ .

18 in<sup>3</sup>

10. Given a pyramid  $l = w = 9.0$  mm and  $V = 324.0$  mm<sup>3</sup>, find  $h$ .

4 mm