Geometric Measurement Worksheet 1 - Answers

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

 $12.6~\mathrm{cm}$

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^2 .

4. Given a circle with $A=28~{\rm ft}^2,$ find radius r.

3 ft.

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

 $6,861.7 \text{ mm}^2.$

6. Given a cylinder with $V = 6700 \text{ m}^3$ and r = 10.2 mm, find h.

20.5 m

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

 $1539.4~{\rm cm}^3$

8. Given a cone with $V = 248.4 \text{ cm}^3$ and h = 7.3 cm, find r.

 $5.7~\mathrm{cm}$

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

 18 in^3

10. Given a pyramid l = w = 9.0 mm and V = 324.0 mm³, find h.

4 mm

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