## Geometric Measurement Worksheet 1 - Answers

1. Given a circle with $r=2 \mathrm{~cm}$, find circumference $C$.
12.6 cm
2. Given a circle with $C=30 \mathrm{~cm}$, find radius $r$.
4.8 in.
3. Given a circle with $r=3.1 \mathrm{mi}$, find area $A$.
$30.2 \mathrm{mi}^{2}$.
4. Given a circle with $A=28 \mathrm{ft}^{2}$, find radius $r$.

3 ft .
5. Given a cylinder with $r=7.8 \mathrm{~mm}$ and $h=35.9 \mathrm{~mm}$, find $V$.
$6,861.7 \mathrm{~mm}^{2}$.
6. Given a cylinder with $V=6700 \mathrm{~m}^{3}$ and $r=10.2 \mathrm{~mm}$, find $h$.
20.5 m
7. Given a cone with $r=7 \mathrm{~cm}$ and $h=30$ cm , find $V$.
$1539.4 \mathrm{~cm}^{3}$
8. Given a cone with $V=248.4 \mathrm{~cm}^{3}$ and $h=7.3 \mathrm{~cm}$, find $r$.

## 5.7 cm

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

18 in $^{3}$
10. Given a pyramid $l=w=9.0 \mathrm{~mm}$ and $V=324.0 \mathrm{~mm}^{3}$, find $h$.

4 mm
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