Assessment System

## Mathematics Formula Sheet

Below are formulas you may find useful as you work the problems. However, some of the formulas may not be used. You may refer to this page as you take the test.

## Circumference

$$
C=\pi d \text { or } C=2 \pi r \quad \pi \approx 3.14
$$

## Area

Rectangle $A=b h$ or $A=l w$
Triangle $\quad A=\frac{1}{2} b h$
Circle $\quad A=\pi r^{2}$

## Pythagorean Theorem

$a^{2}+b^{2}=c^{2}$

|  | Volume |
| :--- | :--- |
| Right Prism | $V=($ area of base $) \times($ height $)$ |
| Cylinder | $V=\pi r^{2} h$ |
| Sphere | $V=\frac{4}{3} \pi r^{3}$ |
| Cone | $V=\frac{1}{3} \pi r^{2} h$ |

