

Below are the 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.

### Slope Formula

$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

### Linear Equation

$$y = mx + b$$

### Pythagorean Theorem

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

### Perimeter

The perimeter of a polygon is equal to the sum of the lengths of its sides.

### Volume

Cylinder  $V = \pi r^2 h$

Cone  $V = \frac{1}{3} \pi r^2 h$

Sphere  $V = \frac{4}{3} \pi r^3$