

## Reference Card

### Abbreviations

**A** = area

**F** = Fahrenheit

**l** = length

**b** = base

**C** = circumference

**C** = Celsius

**w** = width

**d** = diameter

**V** = volume

**h** = height

**r** = radius

### Formulas

Pythagorean Theorem:  $a^2 + b^2 = c^2$

Cylinder:  $V = \pi r^2 h$

Triangle:  $A = \frac{1}{2}bh$

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

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

Parallelogram:  $A = bh$

Rectangular

Rectangle:  $A = lw$

Solid:  $V = lwh$

Circle:  $A = \pi r^2$

Distance = rate  $\times$  time

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

$C = 2\pi r$

Interest = principal  $\times$  rate  $\times$  time

You may use the Reference Card at any time during the test.

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