

# KENTUCKY MATHEMATICS REFERENCE SHEET

## Grades 7 and 8

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### FORMULAS FOR PLANE FIGURES

Parallelogram:  $A = bh$

Trapezoid:  $A = \frac{1}{2}(b_1 + b_2)h$

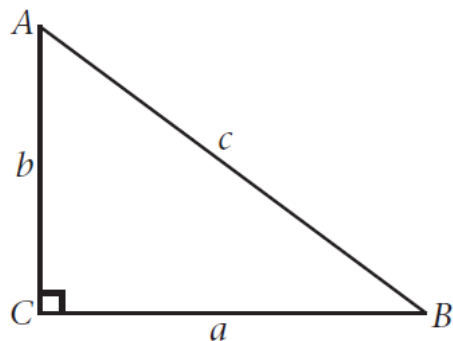
Triangle:  $A = \frac{1}{2}bh$

Circle:  $C = 2\pi r$   
 $A = \pi r^2$

Right Triangle:

The Pythagorean Formula

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



### FORMULAS FOR SOLID FIGURES

Right Prism:  $V = Bh$  ( $B$  is the area of the base.)

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

Regular Pyramid:  $V = \frac{1}{3}Bh$

Cube:  $V = e^3$   
 $SA = 6e^2$

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

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