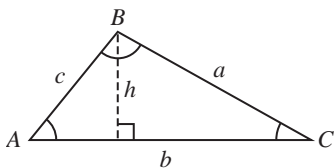


Geometric Formulas

Perimeter and Area of a Triangle, and
Sum of Measures of the Angles

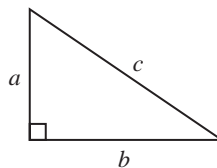


$$P = a + b + c$$

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

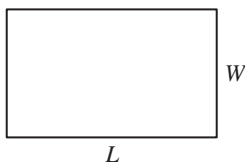
$$A + B + C = 180^\circ$$

Pythagorean Theorem



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

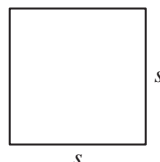
Perimeter and Area of a Rectangle



$$P = 2L + 2W$$

$$A = LW$$

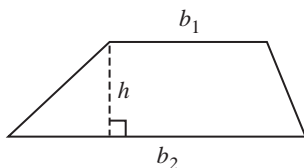
Perimeter and Area of a Square



$$P = 4s$$

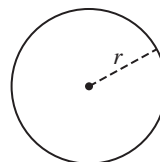
$$A = s^2$$

Area of a Trapezoid



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

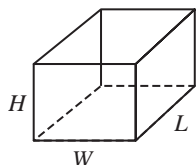
Circumference and Area of a Circle



$$C = 2\pi r$$

$$A = \pi r^2$$

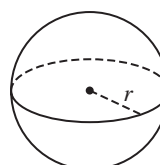
Volume and Surface Area of a Rectangular Solid



$$V = LWH$$

$$SA = 2LW + 2LH + 2WH$$

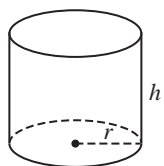
Volume and Surface Area of a Sphere



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

$$SA = 4\pi r^2$$

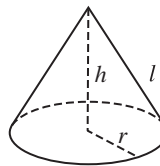
Volume and Surface Area of a Right
Circular Cylinder



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

$$SA = 2\pi r^2 + 2\pi rh$$

Volume and Surface Area of a Right
Circular Cone



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

$$SA = \pi r^2 + \pi rl$$

Metric-U.S. Conversion

Length

1 meter = 3.28 feet

1 meter = 1.09 yards

1 centimeter = 0.39 inches

1 kilometer = 0.62 miles

Weight

1 gram = 0.035 ounces

1 kilogram = 2.20 pounds

1 gram = 0.0022 pounds

Volume

1 liter = 1.06 quarts

1 liter = 0.264 gallons

Temperature

Celsius to Fahrenheit

$$F = \frac{9}{5}C + 32$$

$$C = \frac{5}{9}(F - 32)$$