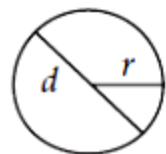


Mathematics Reference Sheet

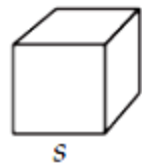
FORMULAS



Circle

$$\text{Area} = \pi r^2$$

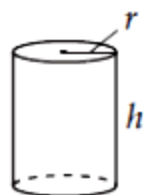
$$\text{Circumference} = 2\pi r$$



Cube

$$\text{Total Surface Area} = 6s^2$$

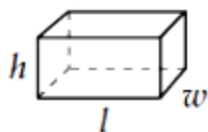
$$\text{Volume} = s^3$$



Right Circular Cylinder

$$\text{Total Surface Area} = 2\pi rh + 2\pi r^2$$

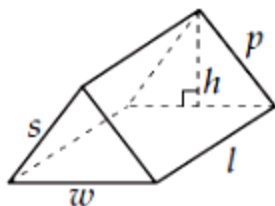
$$\text{Volume} = \pi r^2 h$$



Right Rectangular Prism

$$\text{Total Surface Area} = 2wl + 2lh + 2wh$$

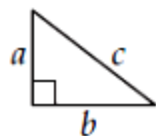
$$\text{Volume} = lwh$$



Right Triangular Prism

$$\text{Total Surface Area} = wh + lw + lp + ls$$

$$\text{Volume} = \frac{1}{2}wh \times l$$



Pythagorean Theorem

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

CONVERSIONS

1 centimeter = 10 millimeters

1 meter = 100 centimeters = 1,000 millimeters

1 kilometer = 1,000 meters

1 gram = 1,000 milligrams

1 kilogram = 1,000 grams

1 pound = 16 ounces

1 ton = 2,000 pounds

1 cup = 8 fluid ounces

1 pint = 2 cups

1 quart = 2 pints

1 gallon = 4 quarts

1 liter = 1,000 milliliters

1 kiloliter = 1,000 liters