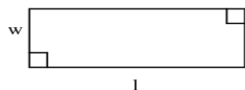


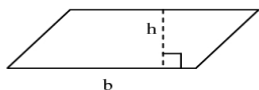
Name: _____

8th grade Formula Sheet

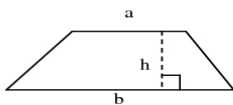


$$P = 2l + 2w$$

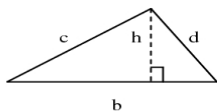
$$A = lw$$



$$A = bh$$

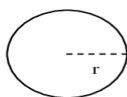


$$A = \frac{1}{2}h(a + b)$$



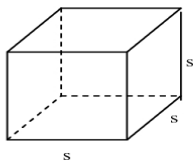
$$P = b + c + d$$

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



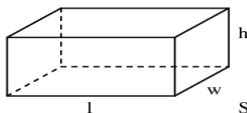
$$C = 2\pi r$$

$$A = \pi r^2$$



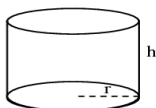
$$SA = 6s^2$$

$$V = s \cdot s \cdot s$$

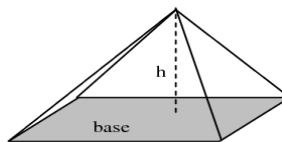


$$SA = 2lw + 2lh + 2wh$$

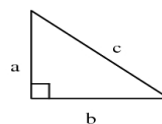
$$V = lwh$$



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



$$V = \frac{1}{3}(\text{area of base}) \times h$$



Pythagorean Theorem:

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

Distance: $d = rt$

Simple Interest: $I = prt$

Degrees in a polygon:

$$\text{Sum of angle measures} = 180(n - 2)$$

where n = number of sides

Temperature Conversions:

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

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

Customary Conversions:

$$1 \text{ mile (mi)} = 5,280 \text{ feet (ft)}$$

$$1 \text{ yard (yd)} = 3 \text{ feet (ft)}$$

$$1 \text{ foot (ft)} = 12 \text{ inches (in)}$$

$$1 \text{ ton (T)} = 2,000 \text{ pounds (lb)}$$

$$1 \text{ pound (lb)} = 16 \text{ ounces (oz)}$$

$$1 \text{ gallon (gal)} = 4 \text{ quarts (qt)}$$

$$1 \text{ quart (qt)} = 2 \text{ pints (pt)}$$

$$1 \text{ pint (pt)} = 2 \text{ cups (c)}$$

$$1 \text{ cup (c)} = 8 \text{ fluid ounces (fl oz)}$$

$$1 \text{ year (yr)} = 365 \text{ days (d)}$$

$$1 \text{ day (d)} = 24 \text{ hours (hr)}$$

$$1 \text{ hour (hr)} = 60 \text{ minutes (min)}$$

$$1 \text{ minute (min)} = 60 \text{ seconds (sec)}$$

Metric Conversions:

$$\text{Km} \quad \text{Hm} \quad \text{Dm} \quad \text{m} \quad \text{dm} \quad \text{cm} \quad \text{mm}$$