




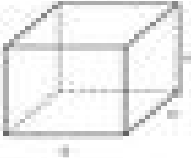


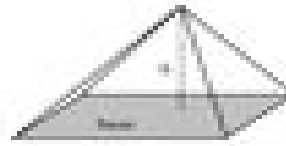


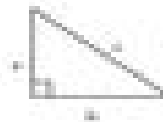
Name _____

8th grade Formula Sheet

	$P = 2l + 2w$ $A = lw$
	$A = bh$
	$A = \frac{1}{2}(b_1 + b_2)h$
	$P = b + c + d$ $A = \frac{1}{2}bh$
	$C = 2\pi r$ $A = \pi r^2$
	$SA = 2lw + 2lh + 2wh$ $V = lwh$
	$SA = 2lw + 2lh + 2wh$ $V = lwh$
	$V = \pi r^2 h$



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



Pythagorean Theorem:

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

Definition: 90° or π

Angle Summation: 180° or π

Angles in a polygon:

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

where n = number of sides

Temperature Conversions:

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

Customary Conversions:

- 1 mile (mi) = 5,280 feet (ft)
- 1 yard (yd) = 3 feet (ft)
- 1 foot (ft) = 12 inches (in)

- 1 ton (T) = 2,000 pounds (lb)
- 1 pound (lb) = 16 ounces (oz)

- 1 gallon (gal) = 4 quarts (qt)
- 1 quart (qt) = 2 pints (pt)
- 1 pint (pt) = 2 cups (c)
- 1 cup (c) = 8 fluid ounces (fl oz)

- 1 year (yr) = 365 days (d)
- 1 day (d) = 24 hours (hr)
- 1 hour (hr) = 60 minutes (min)
- 1 minute (min) = 60 seconds (sec)

Money Conversions:

$$\text{100¢} = 1\text{dollar} \quad \text{100¢} = 1\text{dollar} = 100\text{¢}$$