

Name: _____

Identifying 3-D Area and Volume Formulas



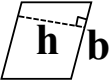
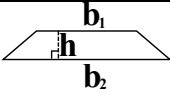
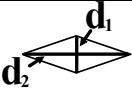
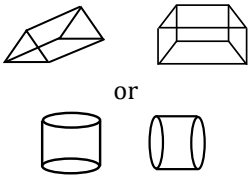
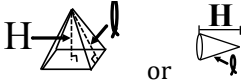




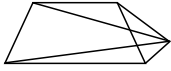
Image	Shape	Base Area (B)
	Circle	$B = \pi r^2$
	Triangle	$B = \frac{bh}{2}$ or $B = \frac{1}{2}bh$
	Rectangle/ Parallelogram	$B = bh$
	Trapezoid	$B = \frac{(b_1 + b_2)h}{2}$
	Rhombus or Kite	$B = \frac{d_1 d_2}{2}$

Image	Shape	Volume (V)
	Prism or Cylinder <i>(need the formula for the area (B) of the base shape)</i>	$V = BH$
	Pyramid or Cone <i>(need the formula for the area (B) of the base shape)</i>	$V = \frac{BH}{3}$
	Sphere	$V = \frac{4\pi r^3}{3}$

Identify the three-dimensional shape, and write the formulas that you would use for that figure. Don't forget that a sphere will only have 1 formula, because it does not have a base.

<p>1.</p>  <p>Three-dimensional shape: _____</p> <p>Base Area Formula: _____</p> <p>Volume Formula: _____</p>	<p>2.</p>  <p>Three-dimensional shape: _____</p> <p>Base Area Formula: _____</p> <p>Volume Formula: _____</p>	<p>3.</p>  <p>Three-dimensional shape: _____</p> <p>Base Area Formula: _____</p> <p>Volume Formula: _____</p>
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4.

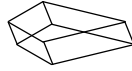


Three-dimensional shape:

 Base Area Formula:

Volume Formula:

5.



Three-dimensional shape:

 Base Area Formula:

Volume Formula:

6.



Three-dimensional shape:

 Base Area Formula:

Volume Formula:

7.



Three-dimensional shape:

 Base Area Formula:

Volume Formula:

8.



Three-dimensional shape:

 Base Area Formula:

Volume Formula:

9.

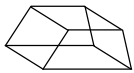


Three-dimensional shape:

 Base Area Formula:

Volume Formula:

10.

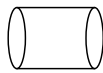


Three-dimensional shape:

 Base Area Formula:

Volume Formula:

11.

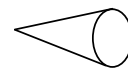


Three-dimensional shape:

 Base Area Formula:

Volume Formula:

12.



Three-dimensional shape:

 Base Area Formula:

Volume Formula: