


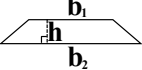
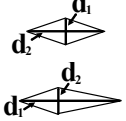

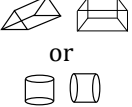
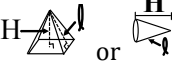



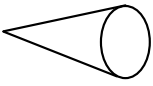



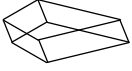





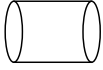

Name: \_\_\_\_\_

Identifying 3-D Area and Volume Formulas

<b>Image</b>	<b>Shape</b>	<b>Base Perimeter (P)</b>	<b>Base Area (A)</b>	<b>Lateral Area (L)</b>	<b>Surface Area (S)</b>	<b>Volume (V)</b>
	Circle	<i>Perimeter is circumference, so... <math>P = 2\pi r</math></i>	$A = \pi r^2$			
	Triangle	<i>Add all the sides</i>	$A = \frac{bh}{2}$ or $A = \frac{1}{2}bh$			
	Rectangle/Parallelogram	<i>Add all the sides</i>	$A = bh$			
	Trapezoid	<i>Add all the sides</i>	$A = \frac{(b_1 + b_2)h}{2}$			
	Rhombus or Kite	<i>Add all the sides</i>	$A = \frac{d_1 d_2}{2}$			
	Regular Polygon	<i>Add all the sides</i>	$A = \frac{aP}{2}$			
	Prism or Cylinder	<i>Use the above formulas on the base.</i>	<i>Use the above formulas on the base.</i>	$L = PH$	$S = L + 2A$	$V = AH$
	Pyramid or Cone	<i>Use the above formulas on the base.</i>	<i>Use the above formulas on the base.</i>	$L = \frac{Pl}{2}$	$S = L + A$	$V = \frac{AH}{3}$
	Sphere				$S = 4\pi r^2$	$V = \frac{4\pi r^3}{3}$

Identify the three-dimensional shape, and write the 5 formulas that you would use for that figure. Don't forget that a sphere will only have 2 formulas, because it does not have a base.

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

<p>4.</p>  <p>Three-dimensional shape:</p> <hr/> <p>Base Area Formula:</p> <p>Base Perimeter Formula:</p> <p>Lateral Area Formula:</p> <p>Surface Area Formula:</p> <p>Volume Formula:</p>	<p>5.</p>  <p>Three-dimensional shape:</p> <hr/> <p>Base Area Formula:</p> <p>Base Perimeter Formula:</p> <p>Lateral Area Formula:</p> <p>Surface Area Formula:</p> <p>Volume Formula:</p>	<p>6.</p>  <p>Three-dimensional shape:</p> <hr/> <p>Base Area Formula:</p> <p>Base Perimeter Formula:</p> <p>Lateral Area Formula:</p> <p>Surface Area Formula:</p> <p>Volume Formula:</p>
<p>7.</p>  <p>Three-dimensional shape:</p> <hr/> <p>Base Area Formula:</p> <p>Base Perimeter Formula:</p> <p>Lateral Area Formula:</p> <p>Surface Area Formula:</p> <p>Volume Formula:</p>	<p>8.</p>  <p>Three-dimensional shape:</p> <hr/> <p>Base Area Formula:</p> <p>Base Perimeter Formula:</p> <p>Lateral Area Formula:</p> <p>Surface Area Formula:</p> <p>Volume Formula:</p>	<p>9.</p>  <p>Three-dimensional shape:</p> <hr/> <p>Base Area Formula:</p> <p>Base Perimeter Formula:</p> <p>Lateral Area Formula:</p> <p>Surface Area Formula:</p> <p>Volume Formula:</p>
<p>10.</p>  <p>Three-dimensional shape:</p> <hr/> <p>Base Area Formula:</p> <p>Base Perimeter Formula:</p> <p>Lateral Area Formula:</p> <p>Surface Area Formula:</p> <p>Volume Formula:</p>	<p>11.</p>  <p>Three-dimensional shape:</p> <hr/> <p>Base Area Formula:</p> <p>Base Perimeter Formula:</p> <p>Lateral Area Formula:</p> <p>Surface Area Formula:</p> <p>Volume Formula:</p>	<p>12.</p>  <p>Three-dimensional shape:</p> <hr/> <p>Base Area Formula:</p> <p>Base Perimeter Formula:</p> <p>Lateral Area Formula:</p> <p>Surface Area Formula:</p> <p>Volume Formula:</p>