|  |  |
| --- | --- |
| **Solid** | **Volume** |
| Rectangular Prismlabeled drawing of a rectangular prism | Bh *or* lwh |
| http://3.bp.blogspot.com/-NTTlCa5YSAA/Tlfk-H0lHnI/AAAAAAAACdg/UbPLq45kFiA/s400/triangular-prism.gifAll Prisms | Bh \*B = area of base  |
| Regular Pyramidsh | $\frac{Bh}{3}$  |
| http://upload.wikimedia.org/wikipedia/commons/thumb/e/e7/Necker_cube.svg/220px-Necker_cube.svg.pngCube: | s3\*s = side length  |
| Cylinders | $$πr^{2}h$$ |
| Cones | $$\frac{πr^{2}h}{3}$$ |
| Spheres | $$\frac{4πr^{3}}{3}$$ |
| Hemispheres | $$\frac{2πr^{3}}{3}$$(Half a sphere) |

Fill in the area formulas for each figure listed below.

s2

Square –

bh

Rectangle –

bh

Parallelogram –

 $\frac{1}{2}$ bh

Triangle –

πr2

Circle –

 $\frac{1}{2}$ h(b1 + b2)

Trapezoid –

Label the missing sides of the special right triangles below.

20

1. 

10$\sqrt{3}$

12

2. 

4$\sqrt{3}$

3. 

8

8

8$\sqrt{10}$

4. 

8$\sqrt{5}$