Drawing 3D Solid Objects in MS Word

| Volume of a Cylinder	To draw the cylinder you need
$V = \pi r^2 h$ h r	- a rectangle for the middle - a squashed circle for the top - an identical squashed circle for the bottom - the top circle is in front of the rectangle - the bottom circle is behind the rectangle - you must remove the bottom edge (border) of the rectangle - the rectangle and bottom circle need the SAME SOLID color - make the top circle a lighter color than the others - GROUP all 3 pieces so you can move the cylinder or copy it - put arrow-heads on the arrows
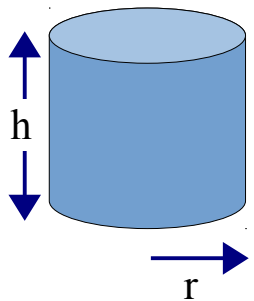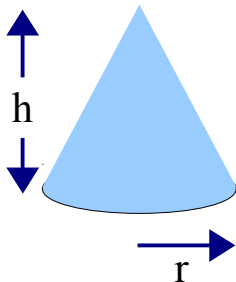
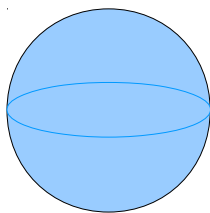| Volume of a Cone	To draw the cone you need
$V = \frac{1}{3} \pi r^2 h$ h r	- a triangle for the upper part - an ellipse (squashed circle) for the bottom - arrange the bottom ellipse behind the triangle - remove the border lines from the triangle - the triangle and the bottom need the SAME SOLID color - GROUP both pieces so you can move the cone or copy it

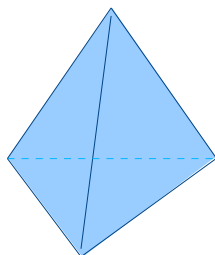| Volume of a Sphere	The sphere consists of
$V = \frac{4}{3} \pi r^3$	- a normal circle - an ellipse (squashed circle) - the border line of the ellipse is a slightly different color

Volume of a Pyramid	The pyramid consists of
$V = \frac{1}{3} base \times height$	- two triangles - one dotted line, using a lighter color You need to figure out how to make these sensibly

Now figure out how to draw a 3D house - with a sloping roof.