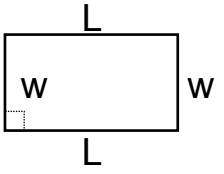
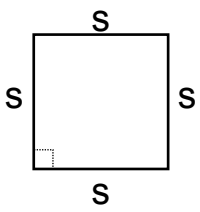
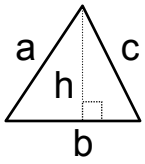
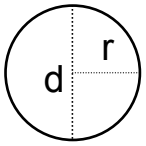
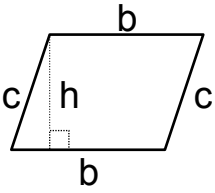
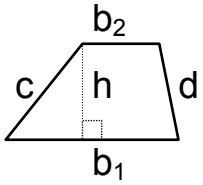
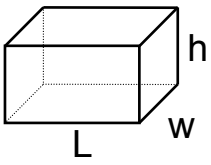
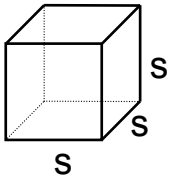
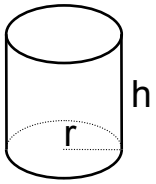
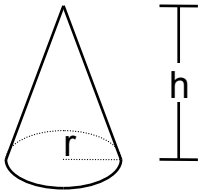
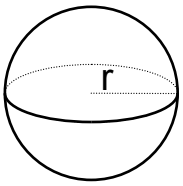
Geometry Review

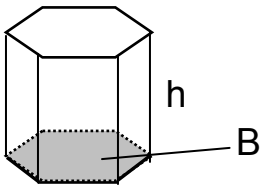
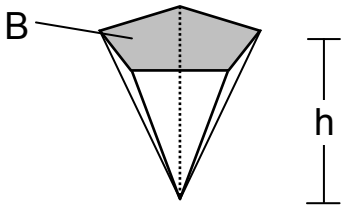
Objective 1: Review of Geometry Formulas and Facts

The **perimeter** (P) (or **circumference** (C) for a circle) of a geometric figure is the distance around the outside of the figure. The **area** (A) of a geometric figure is the number of square units that can be enclosed inside of a figure. Here are some common figures and formulas:

Rectangle	**Square**	**Triangle**	**Circle**	**Parallelogram**	**Trapezoid**
					
$P = 2L + 2w$	$P = 4s$	$P = a + b + c$	$C = 2\pi r = \pi d$	$P = 2b + 2c$	$P = b_1 + c + b_2 + d$
$A = Lw$	$A = s^2$	$A = \frac{1}{2}bh$	$A = \pi r^2$	$A = bh$	$A = \frac{1}{2}(b_1 + b_2)h$

The **volume** (V) of a solid is the number of cubic units that can be enclosed within a solid. Here are some common figures and formulas:

Rectangular Solid	**Cube**	**Right Circular Cylinder**	**Right Circular Cone**	**Sphere**
				
$V = Lwh$	$V = s^3$	$V = \pi r^2 h$	$V = \frac{1}{3}\pi r^2 h$	$V = \frac{4}{3}\pi r^3$

Prism	**Pyramid**
	
$V = Bh$	$V = \frac{1}{3}Bh$

The sum of the measures of **Complementary Angles** is 90˚.
The sum of the measures of **Supplementary Angles** is 180˚.
The sum of the measures of the angles of any triangle is 180˚.

Perimeter: Units
Area: Units^2
Volume: Units^3