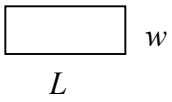
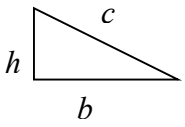
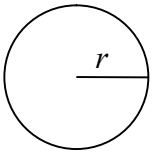
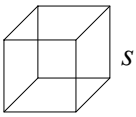
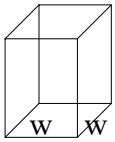
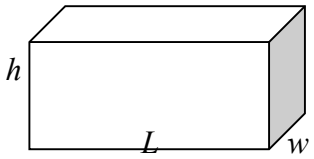
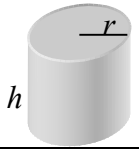
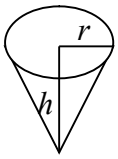
These are the Geometric formulas you must know.

Shape	image	Area	Perimeter
Square		$A = s^2$	$P = 4s$
Rectangle		$A = Lw$	$P = 2L + 2w$
Rt. Triangle		$A = \frac{1}{2}bh$	$P = h + b + c$
Circle		$A = \pi r^2$	$C = 2\pi r$
Cube		$V = s^3$	$SurfaceArea = 6s^2$
Box with a square base		$V = w^2h$	$SurfaceArea = 2w^2 + 4wh$
Rectangular Box		$V = Lwh$	$SurfaceArea = 2Lw + 2Lh + 2wh$
Right Cylinder		$V = \pi r^2 h$	$SurfaceArea = 2\pi rh + 2\pi r^2$
Right Cone		$V = \frac{1}{3}\pi r^2 h$	$SurfaceArea = \pi r^2 + \pi r\sqrt{r^2 + h^2}$ (*usually given*)
Sphere		$V = \frac{4}{3}\pi r^3$	$SurfaceArea = 4\pi r^2$

Other Formulas

1. Equation of a circle $(x-h)^2 + (y-k)^2 = r^2$ r is the radius and (h, k) is the center

2. Distance of a line segment (x_1, y_1) and (x_2, y_2) is $d = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$

3. Midpoint between two points (x_1, y_1) and (x_2, y_2) is $\left(\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}\right)$

4. Pythagorean Theorem $c^2 = a^2 + b^2$

$c = \sqrt{a^2 + b^2}$ or $b = \sqrt{c^2 - a^2}$