







**Area of Plane Shapes**

	<p>Triangle</p> <p>Area = <math>\frac{1}{2}b \times h</math></p> <p>b = base</p> <p>h = vertical height</p>		<p>Square</p> <p>Area = <math>a^2</math></p> <p>a = length of side</p>
	<p>Rectangle</p> <p>Area = <math>w \times h</math></p> <p>w = width</p> <p>h = height</p>		<p>Parallelogram</p> <p>Area = <math>b \times h</math></p> <p>b = base</p> <p>h = vertical height</p>
	<p>Trapezoid (US) Trapezium (UK)</p> <p>Area = <math>\frac{1}{2}(a+b) \times h</math></p> <p>h = vertical height</p>		<p>Circle</p> <p>Area = <math>\pi r^2</math></p> <p>Circumference = <math>2\pi r</math></p> <p>r = radius</p>
	<p>Ellipse</p> <p>Area = <math>\pi ab</math></p>		<p>Sector</p> <p>Area = <math>\frac{1}{2}r^2\theta</math></p> <p>r = radius</p> <p><math>\theta</math> = angle in radians</p>