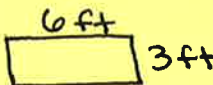
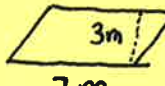

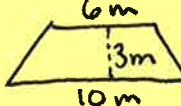






## Geometric Formulas

	Formula	Example
Area of a Rectangle	$l \times w$	 $6 \times 3 = 18 \text{ ft}^2$
Area of a Parallelogram	$b \cdot h$	 $3 \times 7 = 21 \text{ m}^2$
Area of a Triangle	$\frac{1}{2} b \cdot h$	 $\frac{1}{2} (4 \cdot 5) = \frac{1}{2} (20) = 10 \text{ in}^2$
Area of a Trapezoid	$\frac{1}{2} (b_1 + b_2) \cdot h$	 $\frac{1}{2} (10 + 6) \cdot 3 = \frac{1}{2} (48) = 24 \text{ m}^2$
Area of a Circle	$\pi r^2$ ↑ radius	 $\pi r^2 = \pi (2^2) = \pi (4) = 12.56 \text{ m}^2$  $\pi r^2 = \pi (5^2) = \pi (25) = 78.5 \text{ m}^2$
Circumference of a Circle	$\pi \cdot d$ ↑     ↑ 3.14   diameter	 $\pi \cdot 2 = 6.28 \text{ in.}$  $\pi (2 \cdot 3) = \pi (6) = 18.84 \text{ m}$

$$2\pi r$$