

**Learning Target:** 2A – Recognize or recall specific vocabulary such as: *Apothem, cross-section, slant height, regular polygon.*

**Area Formulas**

Parallelogram –  $A = bh$

Triangle –  $A = \frac{1}{2}bh$

Kite –  $A = \frac{d_1d_2}{2}$

Rectangle –  $A = bh$

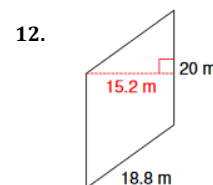
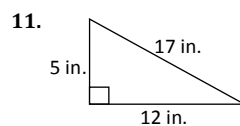
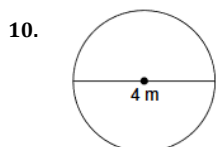
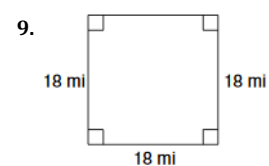
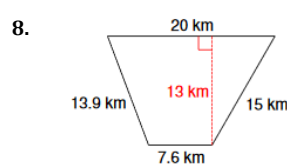
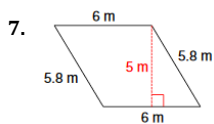
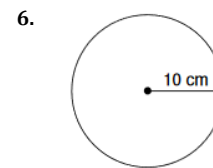
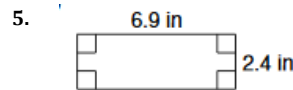
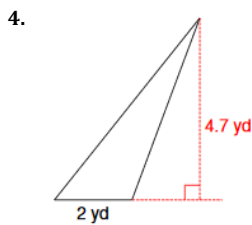
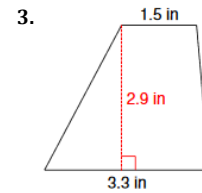
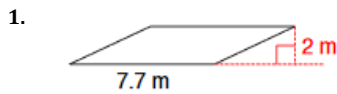
Rhombus –  $A = bh$

Circle –  $A = \pi r^2$

Square –  $A = s^2$

Trapezoid –  $A = \frac{1}{2}(b_1 + b_2)h$

Find the area of each figure.



### Area of Regular Polygons

$$A = \frac{1}{2} pa \text{ (Area = } \frac{1}{2} \times \text{the perimeter} \times \text{the apothem)}$$

