

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 – $A = bh$

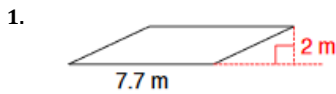
Rhombus – $A = bh$

Circle – $A = \pi r^2$

Square – $A = s^2$

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

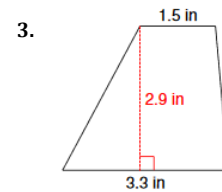
Find the area of each figure.



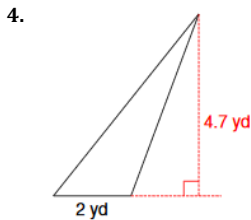
15.4 m²



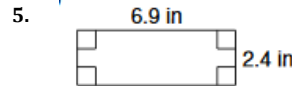
18 mi²



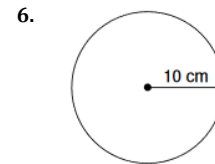
6.96 in.²



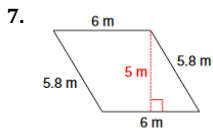
4.7 yd²



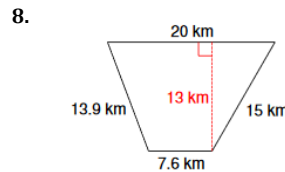
16.56 in.²



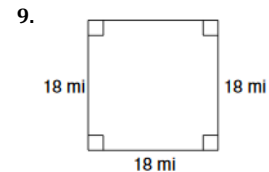
314 cm²



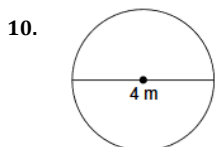
30 m²



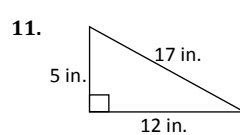
179.4 km²



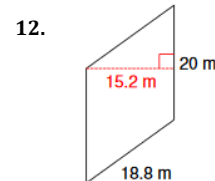
324 mi²



12.56 m²



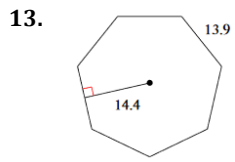
30 in.²



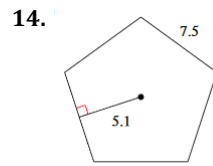
304 m²

Area of Regular Polygons

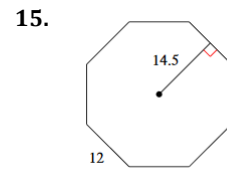
$$A = \frac{1}{2} pa \text{ (Area = } \frac{1}{2} \times \text{the perimeter} \times \text{the apothem)}$$



700.56



95.625



696