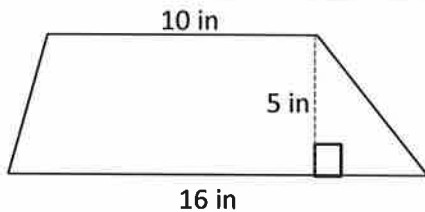


KEY

AP-2 Trapezoids

Find the area of each trapezoid given. Be sure to show the formula, the numbers plugged into the formula (work), and give your answer with correct units. Diagrams are not drawn to scale.

1.

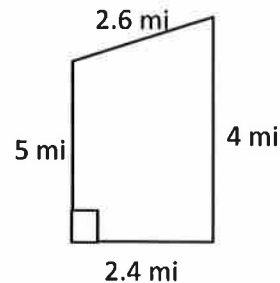


Formula: $A = \frac{h(b_1 + b_2)}{2}$

Work: $= \frac{5(10 + 16)}{2}$

Area: 65 in^2

2.

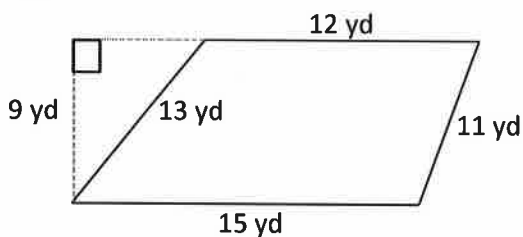


Formula: $A = \frac{h(b_1 + b_2)}{2}$

Work: $= \frac{2.4(5 + 4)}{2}$

Area: 10.8 mi^2

3.



Formula: $A = \frac{h(b_1 + b_2)}{2}$

Work: $= \frac{9(12 + 15)}{2}$

Area: 76.5 yd^2