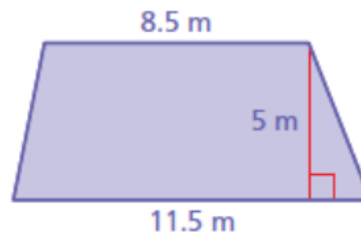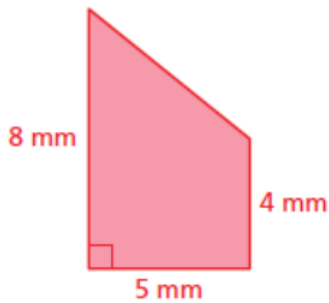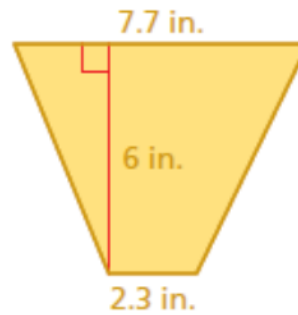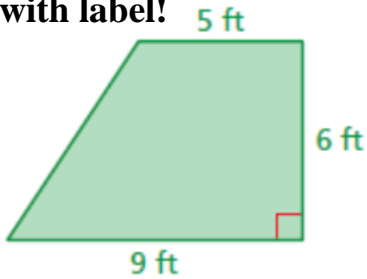# 4.3 Area of Trapezoids Notes

A **trapezoid** has _____ sides and _____ set of lines are parallel.

Area of a Trapezoid:

Area = _____ x _____ x (_____ + _____)

Find the area of each trapezoid. Be sure to show your formula, substitution, & answer with label!

5 ft

6 ft

9 ft

7.7 in.

6 in.

2.3 in.

8 mm

4 mm

5 mm

8.5 m

5 m

11.5 m

Find the area of each trapezoid. Be sure to show your formula, substitution, & answer with label!
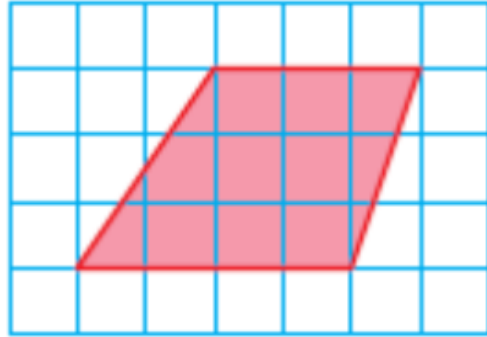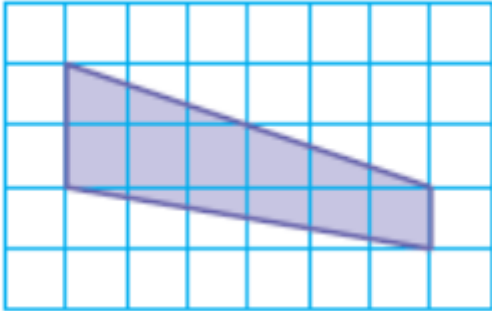
You can use a trapezoid to approximate the shape of Scott County, Virginia. The population is about 23,200. About how many people are there per square mile?

$b_1 = 15$ mi

$h = 20$ mi

$b_2 = 38$ mi