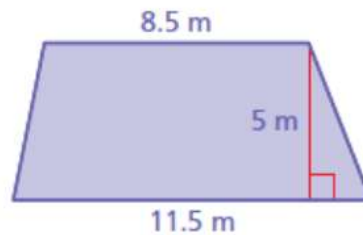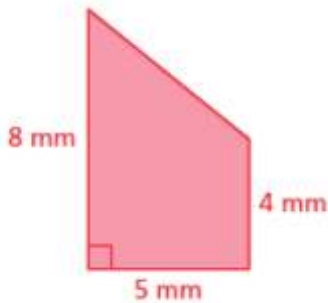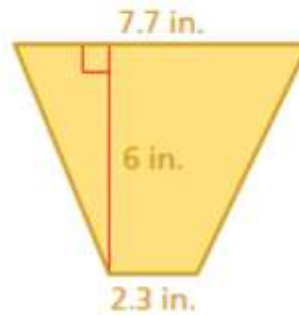# 4.3 Area of Trapezoids Notes
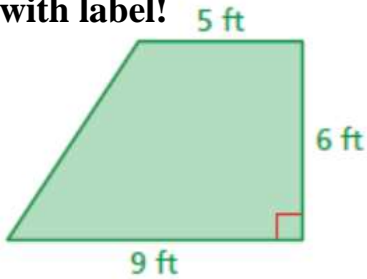
A **trapezoid** has _____ sides and _____ set of lines are parallel.

Area of a Trapezoid:

Area = _____ x _____ x (_____ + _____)

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

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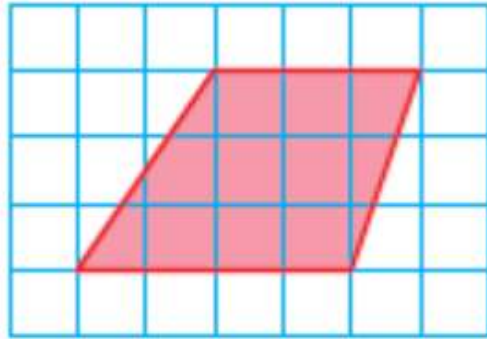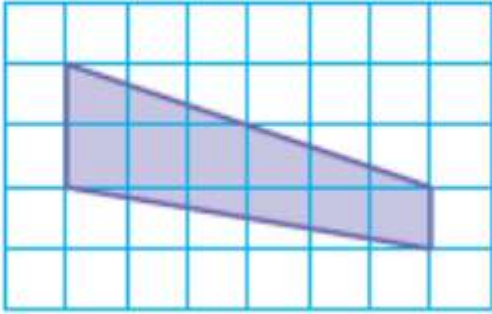
You can use a trapezoid to approximate the shape of Scott County, Virginia. The population is about 23,200. About how many people are there per square mile?

$b_1 = 15 \text{ mi}$

$h = 20 \text{ mi}$

$b_2 = 38 \text{ mi}$

DICK-ENSON

WISE

RUS

SCOTT

WAS

LEE