

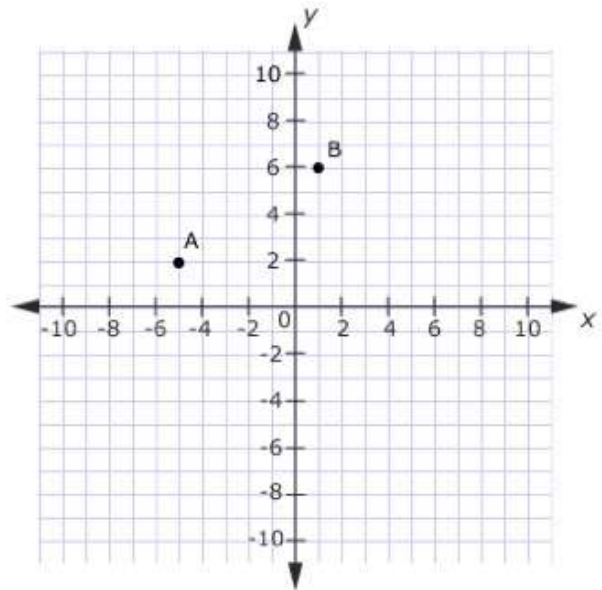
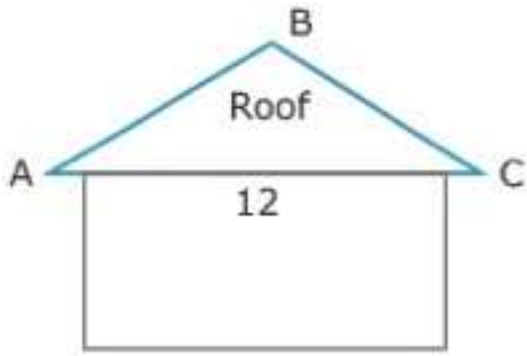
Problem 1:

Jose is transferring this drawing of a triangular roof to a coordinate plane.

He plots points A at (-5, 2) and point B at (1, 6).

The length of the base of the roof is 12 units in length.

Recreate the roof on the coordinate graph to the right.



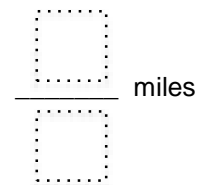
What is the area of the roof that you recreated on the coordinate graph?

Problem 2:

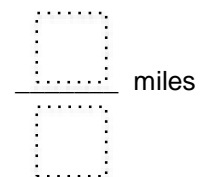
The area and one dimension of a piece of land are given.

Calculate the second dimension for each problem.

- a. The area of a rectangular piece of land is $\frac{6}{10}$ square miles.
One dimension of this piece of land is $\frac{3}{4}$ miles.



- b. The area of a piece of land is in the shape of a triangle is $\frac{1}{6}$ square miles.
One dimension of this piece of land is $\frac{2}{3}$ miles.



- c. The area of a rectangular piece of land is $\frac{4}{25}$ square miles.
One dimension of this piece of land is $\frac{2}{5}$ miles.

