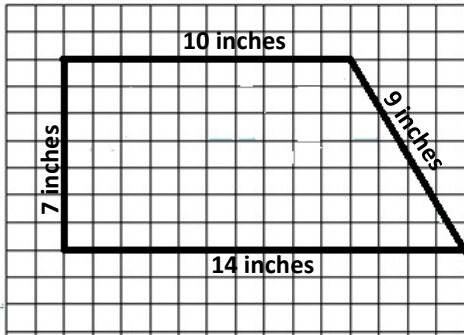
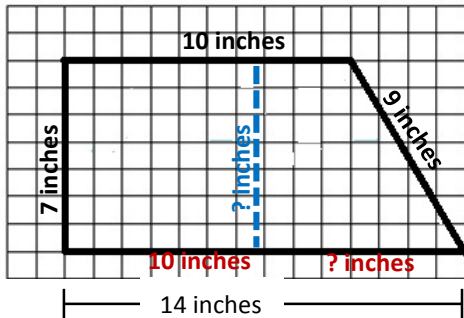


#1. Trapezoid prior to decomposition

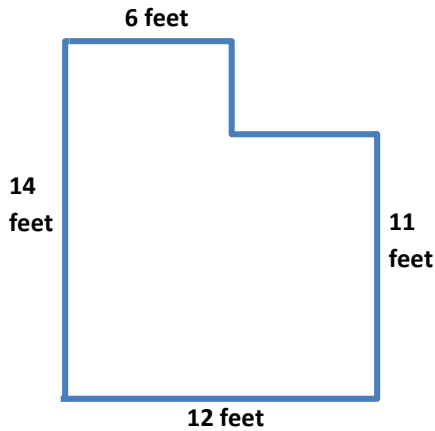


Decomposition of the trapezoid

What are the missing measurements of the triangle?



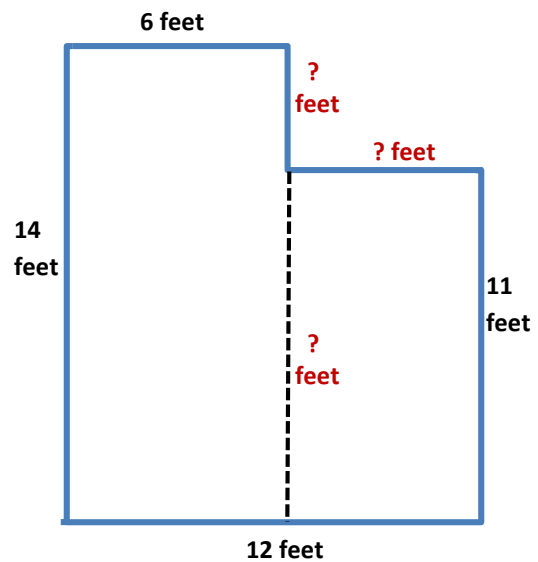
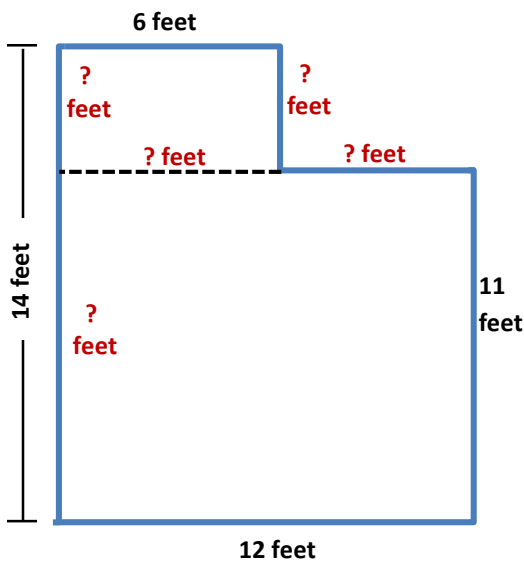
#2. **Bedroom Floor Plan**



Decomposition of bedroom floor plan

Students may decompose the bedroom as shown below or come up with a different way.

What are the missing side lengths of the new rectangles that make up the floor plan?



#3 What is the area of the shaded portion of the figure below?

