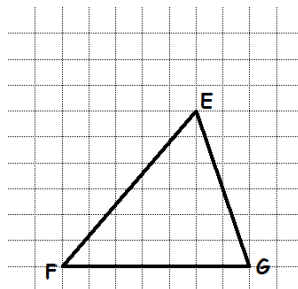
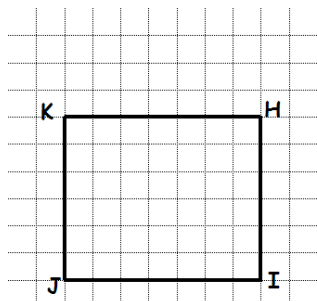


Area of Triangles and parallelograms

Calculate the area of rectangle HIJK and  $\triangle EFG$ : (show your work)



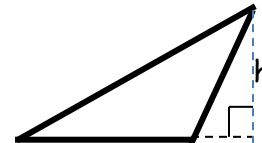
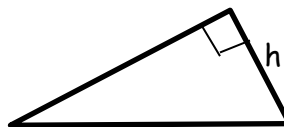
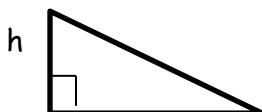
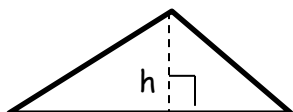
The trick can be to figure out which side is the **base** and what is the **height**.  
**THE KEY:** The height and base are **ALWAYS** perpendicular to each other.

In a **rectangle**, all sides are perpendicular, so the height and base are two sides.

Label the height and base  
 in two different ways.



In a **triangle**, it can be tricky. The height may appear to be "outside" the triangle.  
 Label the base in each triangle below:

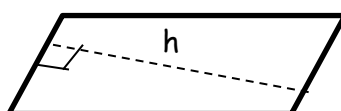
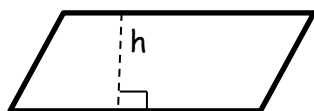


**Area of parallelograms:** Cut up the parallelogram provided and move the pieces around to create a rectangle. Paste it below.

What is the area of the parallelogram? \_\_\_\_\_

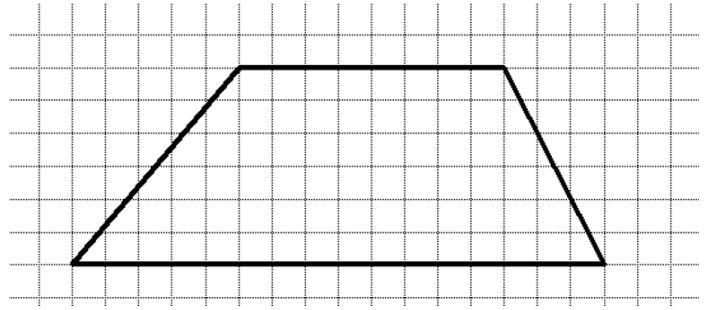
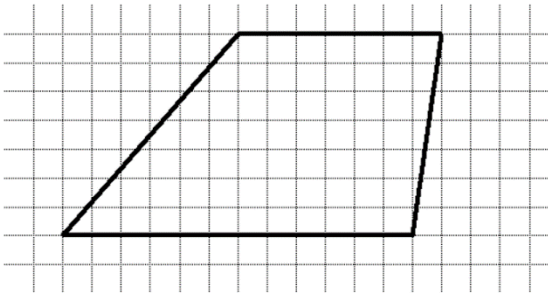
Formula for the area of a parallelogram: \_\_\_\_\_

In a **parallelogram**, it can also be tricky to find the base and height. Label the base in each parallelogram below:



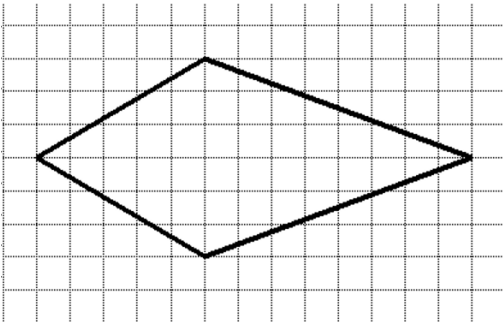
We can find the area of shapes that are not rectangles, triangles or parallelograms.

Find the area of the trapezoids below:



What did you do? \_\_\_\_\_

This shape is a kite. Find its area:



Find the area of this shape:

