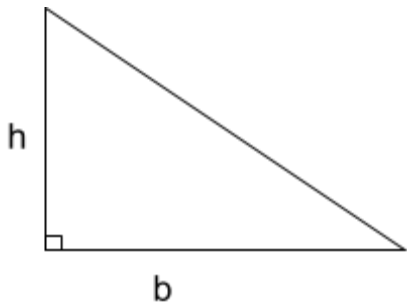


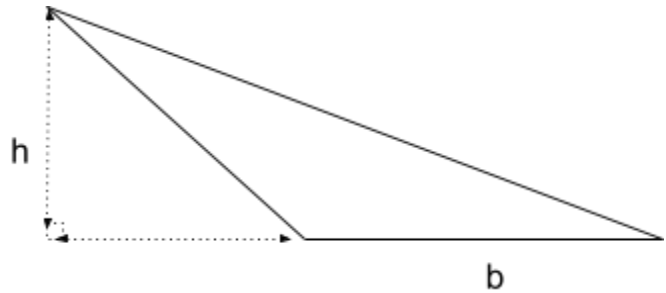
Investigating Areas of 2D Figures

Adapted from Foreman & Bennett, 1998

Right Triangle



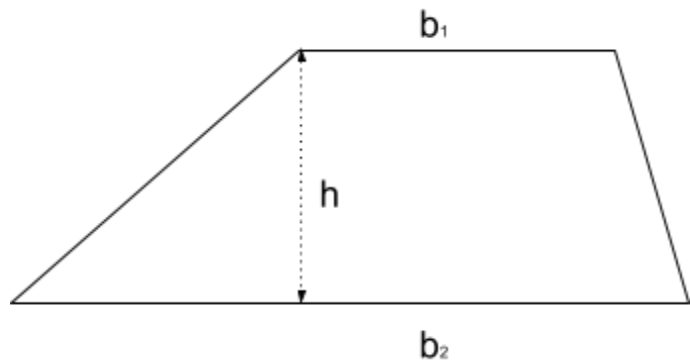
Nonright Triangle



Parallelogram



Trapezoid



Using the enlarged versions of the above "generic" polygons-

- Use paper cutting and/or folding and no measuring tools to help you investigate ways to find the area of any right triangle, nonright triangle, parallelogram, and trapezoid. Focus on relationships you can "see." Generalize your strategies to formulas. Can you invent more than one formula for each polygon? Use only the given variables in your formulas.
- Create a visual "proof" that shows the source of each formula and *why* and *how* each formula works.

