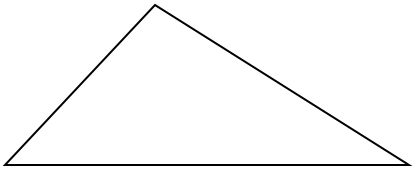
Lesson 4.2 Areas of Triangles p.160-161

Key Idea:

- **Area of a Triangle**
  - **The area *A* of a triangle is one-half the product of its base (*b*) and its height (*h*)**
- **Formula: A = ½ bh**



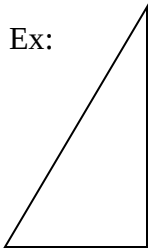
Examples 1-

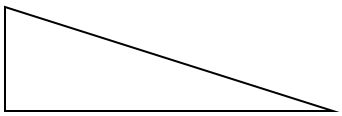
Finding the Area of a Triangle

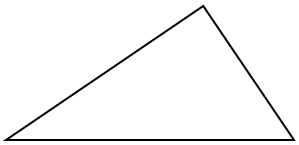
1. Write the Formula.
2. Plug in measurements for base and height.
3. Multiply (base x height)
4. Now cut that number in half. (Divide by 2)

On Your Own: p.160, #1-2

Ex:



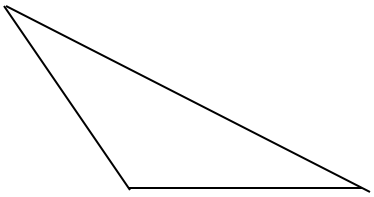




Example 2-

Finding the Area of a Triangle

*Same steps as example 1



Example 3-

Real-Life Application

The base and height of the red butterfly wing are two times greater than the base and height of the blue butterfly wing. How many times greater is the area of the red wing than the area of the blue wing?

***See diagram on p.161*