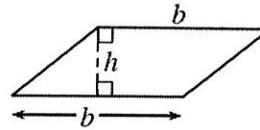
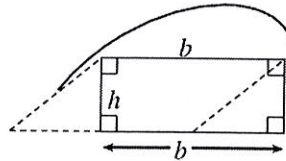


Area of a Parallelograms

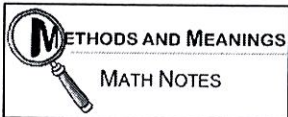
To find the area of a parallelogram (which includes rectangles), find the product of the length of the base (b) and the height (h).



- The base and height must form a 90 degree angle.

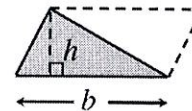
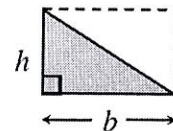
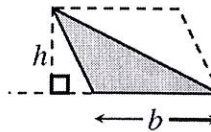


$$A = \text{base} \times \text{height}$$



Area of a Triangle

- Since two copies of the same triangle can be put together to form a parallelogram, then the **area of a triangle** must equal **half** the area of the parallelogram with the same base and height.
- Therefore, if b is the base of a triangle and h is the height of the triangle, you can think of triangles as "half parallelograms" and calculate the area of any triangle:



$$A = \frac{1}{2} \text{base} \times \text{height}$$

- The base and height must form a 90 degree angle.