

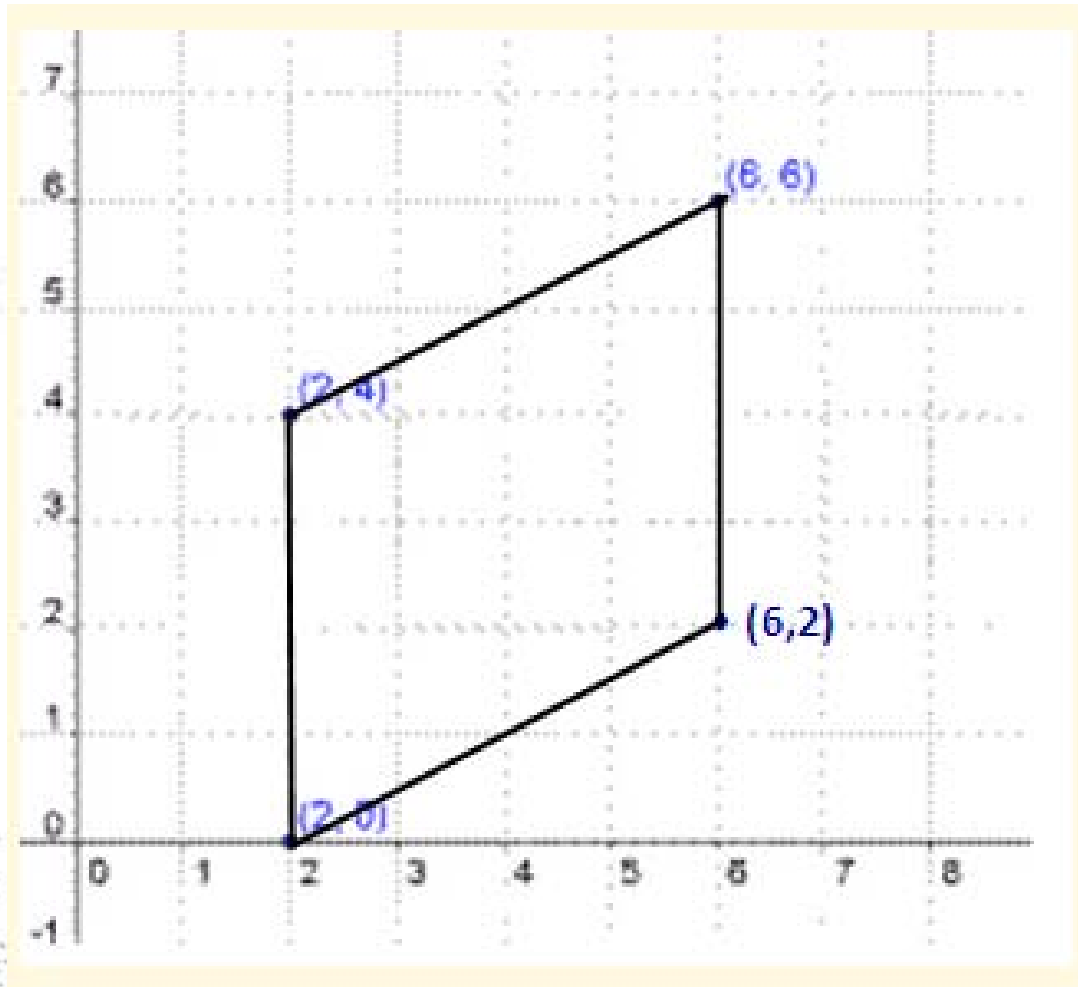
# 9.1 Area of a Parallelogram

***Objective: To find the area of a parallelogram***



# Activity

- Use a parallelogram on graph paper to make the parallelogram into a rectangle

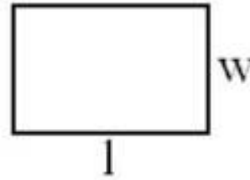


# Area Formulas

## Shape

## Area

Rectangle



$$A = l \cdot w$$

Parallelogram

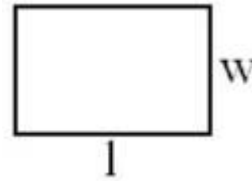


# Area Formulas

## Shape

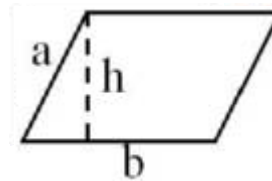
## Area

Rectangle



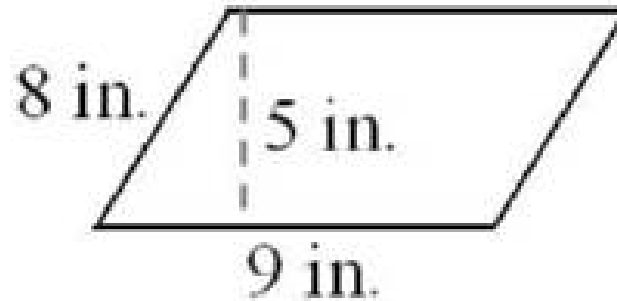
$$A = l \cdot w$$

Parallelogram



$$A = b \cdot h$$

Find the area of the parallelogram.



$$A = b \cdot h$$

$$A = 9 \cdot 5$$

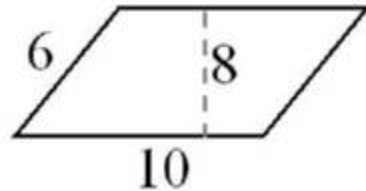
$$A = 45 \text{ in.}^2$$

or

$$A = 45 \text{ square inches}$$

# Find the area of the parallelogram.

1)

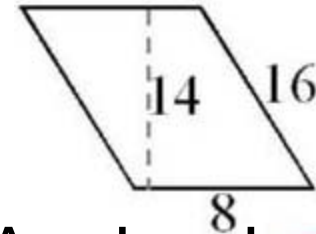


$$A = b \cdot h$$

$$A = 10 \cdot 8$$

$$A = 80$$

2)

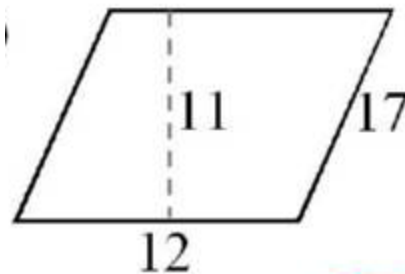


$$A = b \cdot h$$

$$A = 8 \cdot 14$$

$$A = 112$$

3)

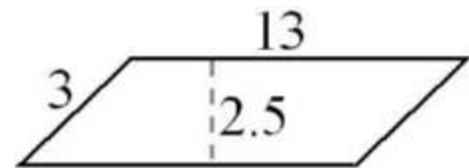


$$A = b \cdot h$$

$$A = 12 \cdot 11$$

$$A = 132$$

4)



$$A = b \cdot h$$

$$A = 13 \cdot 2.5$$

$$A = 32.5$$