

Name: _____

Date: _____

Area of Trapezoids

1. A trapezoid is:

2. A trapezoid has _____ bases.

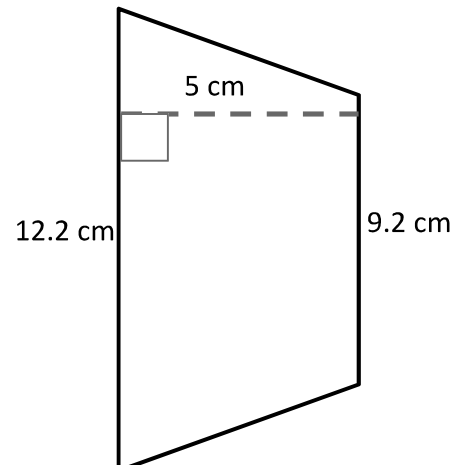
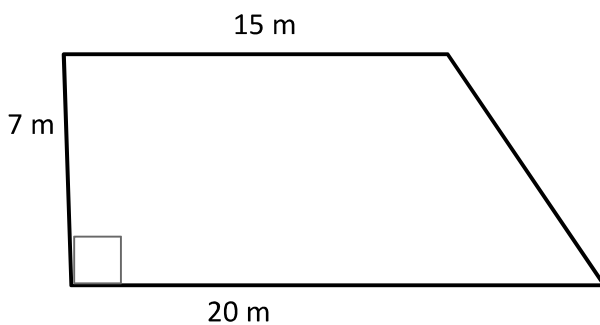
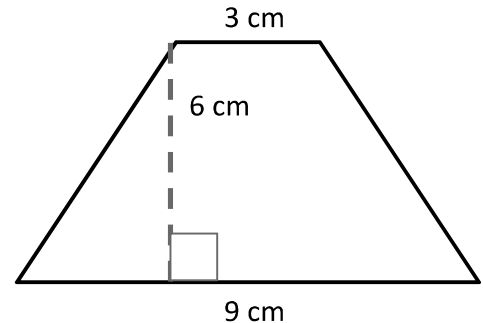
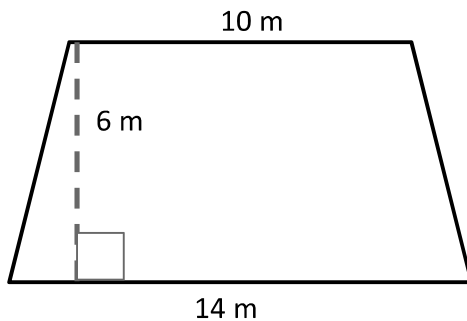
3. The bases of a trapezoid are _____ to the height.

4. The area of a trapezoid is

5. The algebraic formula for area of a trapezoid is:

_____ or _____.

6. Find the area of each trapezoid below:



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Practice: Area of Trapezoids

#1 What is the area of the trapezoid with the following dimensions:

$$b_1 = 5 \text{ in}$$

$$b_2 = 2 \text{ in}$$

$$h = 7 \text{ in}$$

#2 What is the area of the trapezoid with the following dimensions:

$$b_1 = 20 \text{ in}$$

$$b_2 = 30 \text{ in}$$

$$h = 10 \text{ in}$$

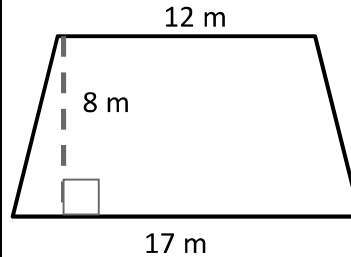
#3 What is the area of the trapezoid with the following dimensions:

$$b_1 = 4.1 \text{ m}$$

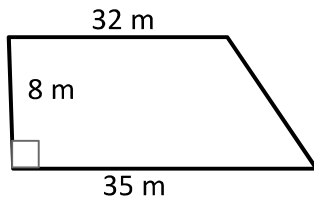
$$b_2 = 4.2 \text{ m}$$

$$h = 4.5 \text{ m}$$

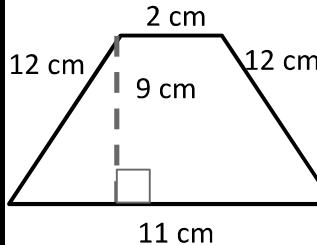
#4 Find the area of the figure below:



#5 Find the area of the figure below:



#6 Find the area of the figure below:



#7 Rebecca is mowing the lawn at the local park. The park is shaped like a trapezoid. One base has a length of 100 ft. The other base has a length of 200 ft. It has a height of 200 ft. Find the area that she has to mow.