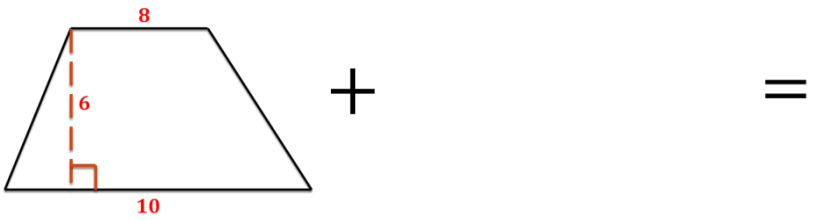
11-3: Area of Trapezoids

C.O.: SWBAT find the area of various Trapezoids.

L.O.: SWBAT identify the parts of Trapezoids, using them in an equation to find the area of the Trapezoids.

Discover the Area of a Trapezoid: Start with this example: Find the Area.
Follow the Instructions:
1.) Draw a flipped version of the trapezoid next to your current trapezoid.

2.) Add the trapezoids together. (Draw what that would look like).



3.) The combined figure looks like a _____. Find its Area:

$A =$

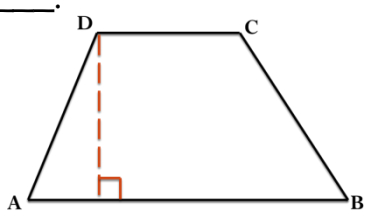
4.) Recall that the original shape was only _____ of this shape. To find its area:

$A =$

5.) Return to the original figure and examine its parts, comparing them to the constructed figure.

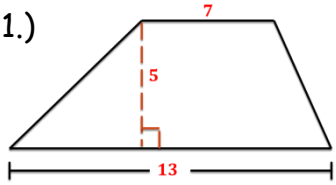
Theorem 11-5: The area of a trapezoid equals _____the product of the _____ and _____.

Equation:



Practice: Find the Area of Each Trapezoid.

1.)



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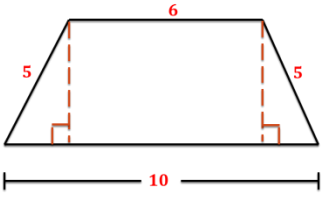

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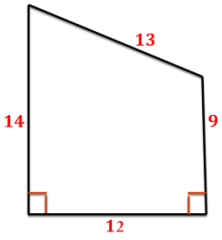
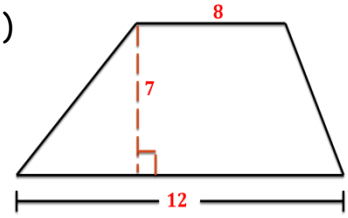
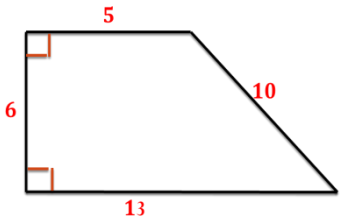


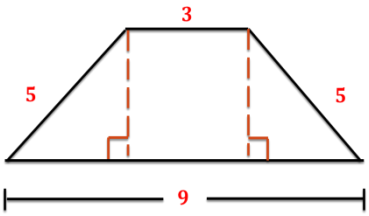
11-3: Area of Trapezoids

For an Isosceles Trapezoid: Find its Area

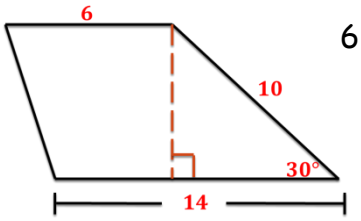
Group Practice: Find the area for the following diagrams in your groups.

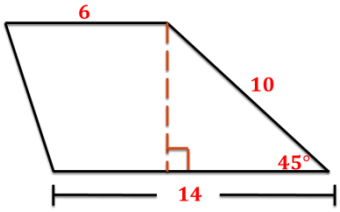
1.) 

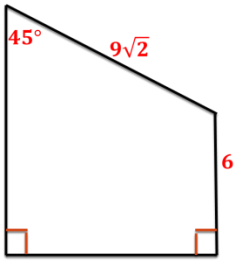
2.) 

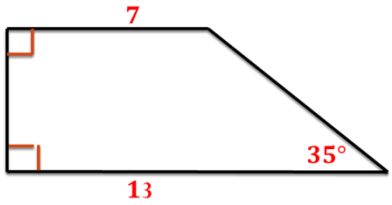
3.) 

4.) 

5.) 

6.) 

7.) 

8.) 

9.)