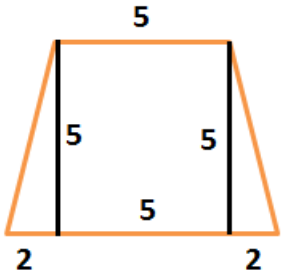
Name _____ Date _____

Determining the Area of a Trapezoid

In this worksheet, we will practice determining the area of a trapezoid by the composition and decomposition of rectangles and triangles.

For example, find the area of the trapezoid below:



First, find the area of the rectangle (l x w) = (5 x 5 = 25)
Then, find the area of a triangle (1/2b x h) = 1/2 x 2 x 5 = 1 x 5 = 5

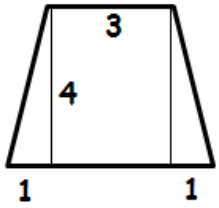
Finally, add the area of the rectangle to the area of **both** triangles. *The triangles are the same, so just add the area for the one triangle twice.*

(25 + 5 + 5 = 35)

Note: Figures are not drawn to scale.

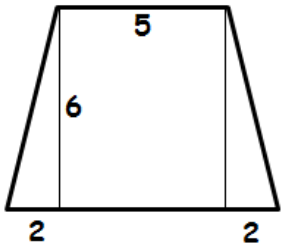
Exercise Questions:

1. Find the area of the trapezoid below.



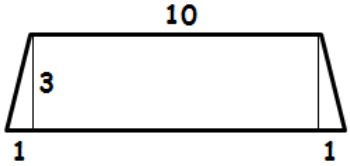
_____

2. Find the area of the trapezoid below.



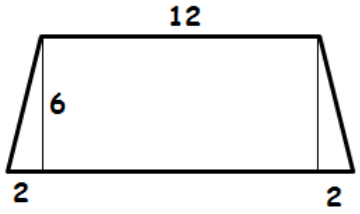
_____

3. Find the area of the trapezoid below.



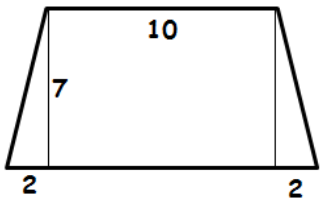
_____

4. Find the area of the trapezoid below.



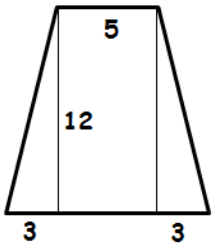
_____

5. Find the area of the trapezoid below.



_____

6. Find the area of the trapezoid below.



_____

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Answer Key

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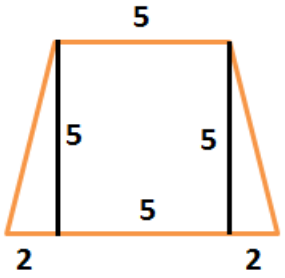

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Exercise Questions:

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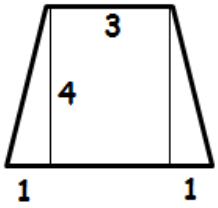
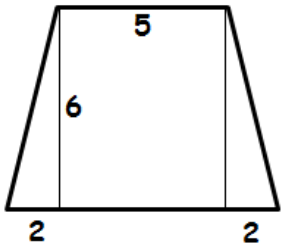


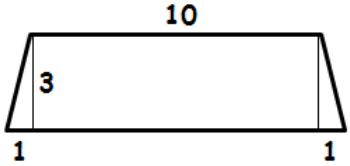
16 units ^{2}

2. Find the area of the trapezoid below.



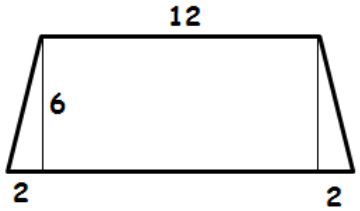
42 units ^{2}

3. Find the area of the trapezoid below.



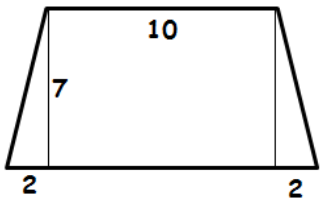
33 units ^{2}

4. Find the area of the trapezoid below.



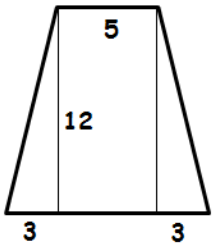
84 units ^{2}

5. Find the area of the trapezoid below.



84 units ^{2}

6. Find the area of the trapezoid below.



96 units ^{2}

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