

Area of Trapezoids

I can calculate the area of a trapezoid.

Trapezoid - _____

Formula

$A =$ _____ where A

represents _____,

h represents the _____

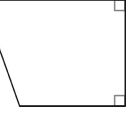
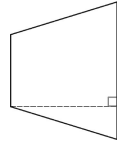
and b_1 and b_2

represent the _____.

NOTE: The bases and height are always _____.

Labeling Practice

Label the bases (b_1 and b_2) and height (h) of each parallelogram.



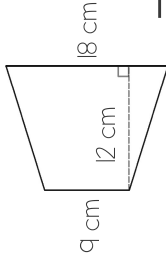
Area of Trapezoids

Independent Practice

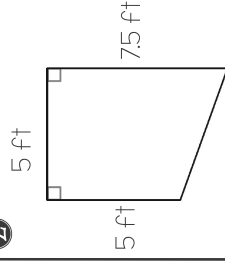
Name: _____

Show all work.

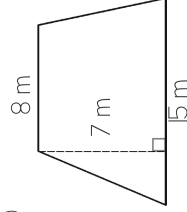
1



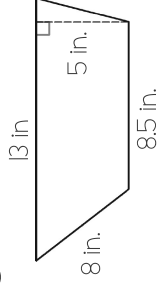
2



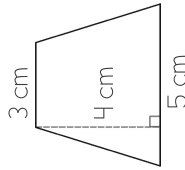
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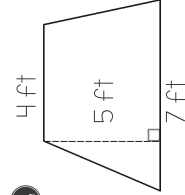
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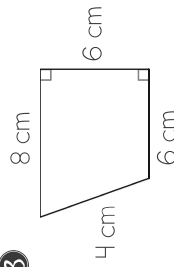
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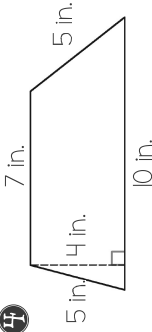
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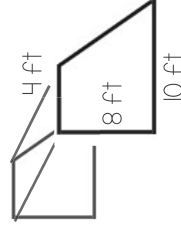
3



4



5 The side of a goal in soccer is the shape of a right trapezoid. The dimensions are shown below. What is the area of the net needed for both sides of the goal?



6

Quinn is building a table. The top is an isosceles trapezoid, with bases that are 1.5 meters and 2 meters, and a height of 1 meter. What is the area of the table top?