Finding Area

Directions: For each problem, draw the figure if a picture is not already given. Then, write the formula and substitute for the variables. SHOW ALL WORK, and remember to include units! ☺

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| RectangleA=lw | TriangleA=½bh | ParallelogramA=bh | TrapezoidA=  | SquareA = s2 |
| 1. Find the area of a rectangle with a length of 8 m and a width of 4.5 m.
 | 1. Find the length of a rectangle with an area of 42 ft² and a width of 7 ft.
 |
| 1. Find the area of the triangle.
 | 1. Find the height of a triangle with an area of 24 in² and a base length of 9 in.
 |
| 1. Image result for parallelogram areaFind the area of the shape below.
 | 1. Find the base length of the shape below if its area is 122 square inches.

Image result for parallelogram area |
| 1. Find the area of a square side lengths of 9 ft.
 | 1. Find the side length of a square with an area of 49 ft².
 |
| 1. Find the area of a trapezoid with a height of 6m and base lengths of 4m and 8m.
 | 1. Find the area of the shape below.

Image result for trapezoid area |

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