4.1 & 4.2 Area of Parallelogram/Triangle Name _____

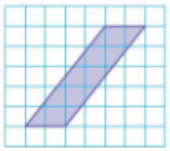
I can find the area of parallelograms.

I can find the area of triangles.

Notes:

A **polygon** – is a closed plane figure that is made up of three or more line segments that intersect at their endpoints.

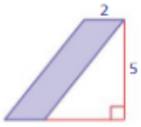
Area of a Parallelogram: A = bh



Find the area of the parallelogram.

Count grid lines to find the dimensions.
The base b is 2 units, and the height h is 5 units.

$A = bh$	Write formula.
$= 2(5)$	Substitute values.
$= 10$	Multiply.



The area of the parallelogram is 10 square units.

Area of a Triangle: $A = \frac{1}{2}bh$

Find the area of the triangle.

$A = \frac{1}{2}bh$	Write formula.
$= \frac{1}{2}(5)(8)$	Substitute 5 for b and 8 for h.
$= \frac{1}{2}(40)$	Multiply 5 and 8.
$= 20$	Multiply $\frac{1}{2}$ and 40.

The area of the triangle is 20 square inches.

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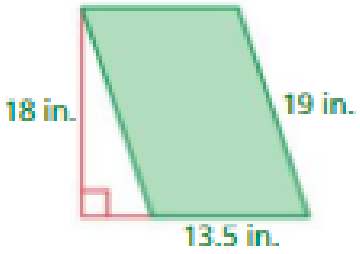
Find the area of the parallelogram.

7.



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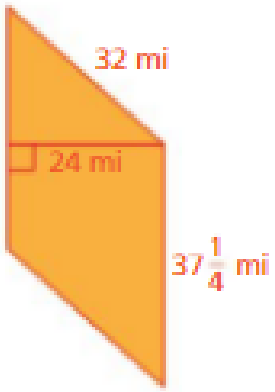
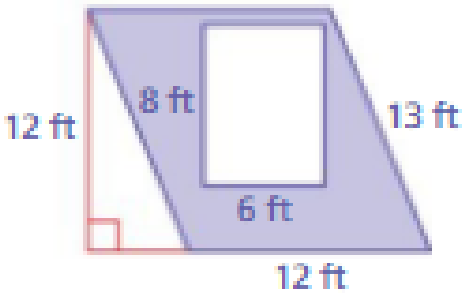
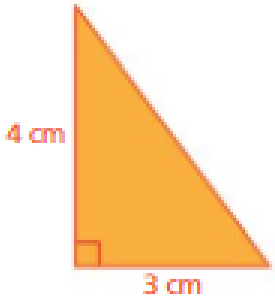




Find the area of the triangle.

3.



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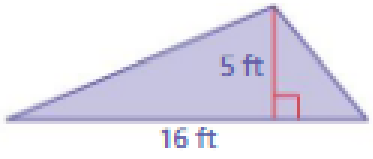

5.