

Cornell Notes Topic: <u>Areas of Parallelograms, Triangles, and Trapezoids</u> <u>Lessons 4.1-4.3</u>	Name: _____ Date: _____ Period: _____
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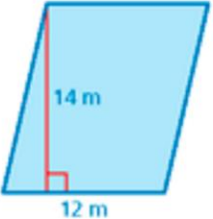

Essential Question: **How can you derive a formula for the area of a parallelogram, triangle, and/or trapezoid?**

Questions/Main Ideas:	Notes:
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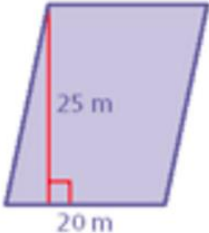


Lesson 4.1	Areas of Parallelogram
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Formula	Parallelogram - $A=bh$ (Area = base x height)
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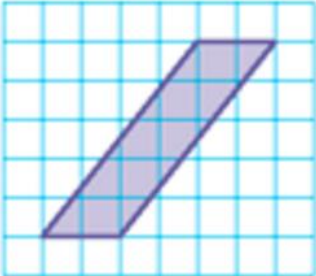
Example 1	Finding Areas of Parallelograms
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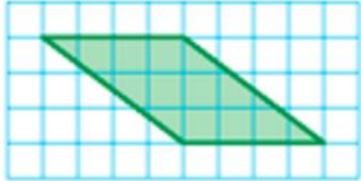
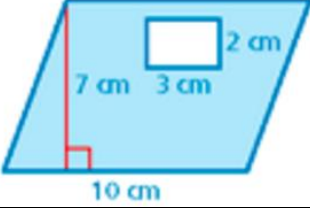

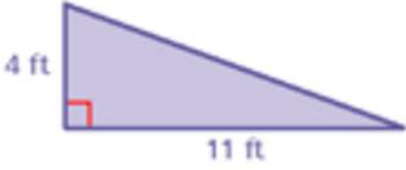
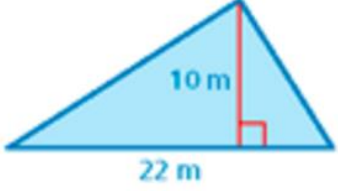
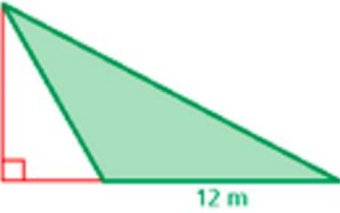
<p>a.</p> 	<p>b.</p> 
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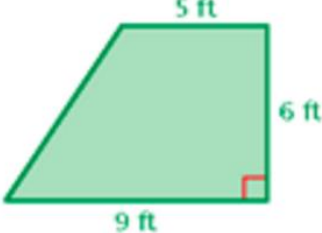
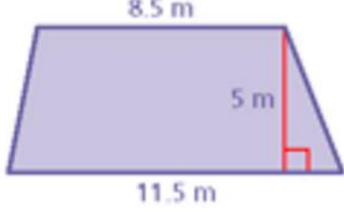
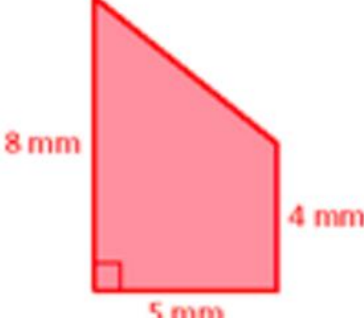
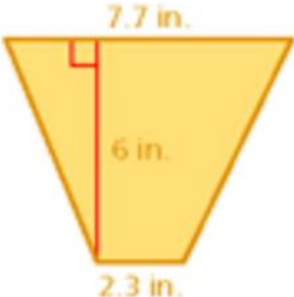
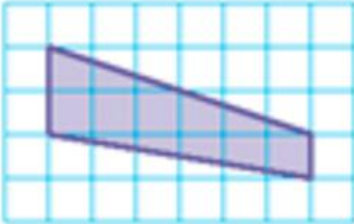
Your Turn!	Find the area of the parallelogram.
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<p>1.</p> 	<p>2.</p> 	<p>3.</p> 
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Example 2	Finding the Area of a Parallelogram on a Grid
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<p>Your Turn!</p>	<p>4. Find the area of the parallelogram.</p> 
<p>Beyond Lesson!</p>	<p>14.</p> 
<p>Lesson 4.2</p>	<p>Areas of Triangles</p>
<p>Formula</p>	<p>Triangle- $A = \frac{1}{2} bh$ (Area = base x height divided by 2)</p>
<p>Example 1</p>	<p>Finding the Area of a Triangle</p>
	
<p>Your Turn!</p>	<p>Find the area of the triangle.</p> <p>1.</p>  <p>2.</p> 
<p>Example 2</p>	<p>Finding the Area of a Triangle</p>
	

Lesson 4.3	Areas of Trapezoids
Formula	Trapezoid - $A = \frac{1}{2} h(b_1 + b_2)$ (Area = height x (base 1 + base 2) divided by 2)
Example 1	Finding Areas of Trapezoids
	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p>a.</p>  </div> <div style="text-align: center;"> <p>b.</p>  </div> </div>
Your Turn!	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p>1.</p>  </div> <div style="text-align: center;"> <p>2.</p>  </div> </div>
Example 2	Finding the Area of a Trapezoid on a Grid
	
Your Turn!	<p>3. Find the area of the trapezoid.</p> 