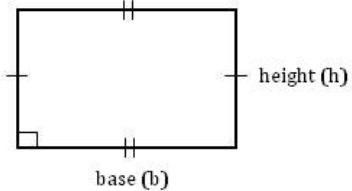
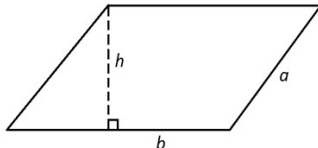
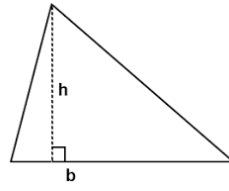
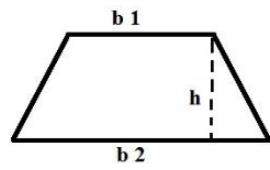


Name: _____
7R

Date: _____
Classwork 11.5

Area of Polygons

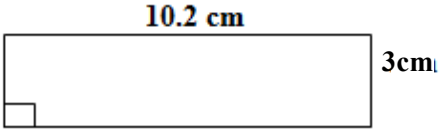
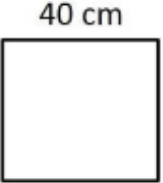
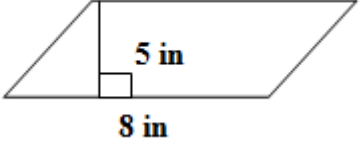
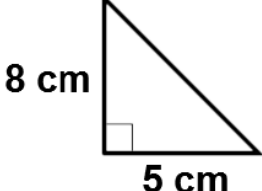
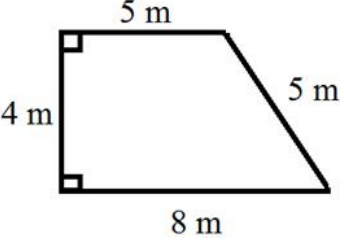
Aim: What do you remember about finding the area of polygons?

Figure	Formula Write the formula given in the BrainPOP.
<p data-bbox="316 514 609 556">Rectangle or Square</p> 	
<p data-bbox="349 808 576 850">Parallelogram</p> 	
<p data-bbox="397 1060 527 1102">Triangle</p> 	
<p data-bbox="381 1375 544 1417">Trapezoid</p> 	

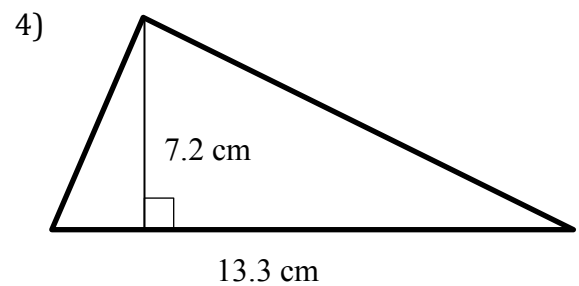
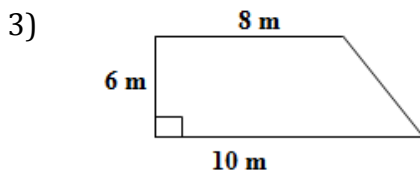
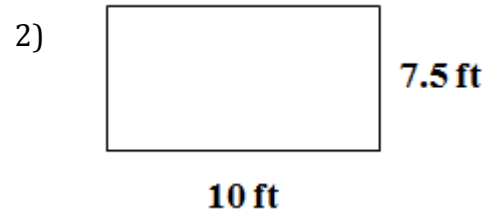
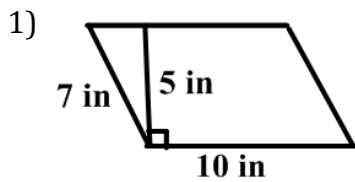
Parallel: _____

Perpendicular: _____

Try It: Find the area of the figures below. *Show your work!*

FORMULA	FIGURE	FINDING THE AREA
<p>Rectangle</p> <p>$A = lw$ or $A = bh$</p>		
<p>Square</p> <p>$A = lw$ or $A = bh$</p>		
<p>Parallelogram</p> <p>$A = bh$</p>	 <p>Notice: Height is vertical <u>not</u> slanted.</p>	
<p>Triangle</p> <p>$A = \frac{1}{2}bh$</p>		
<p>Trapezoid</p> <p>$A = \frac{1}{2}h(b_1 + b_2)$</p>	 <p>Notice: Height is vertical <u>not</u> slanted.</p>	

On Your Own: (#1-4) Find the area of the figure below. **Show your work!**



5) a. Susie is making a new vegetable garden in the shape of a square. The length of one side is 14 feet. What is the **area** of the vegetable garden?

b. If dirt costs \$3.25 per square foot, how much will it cost Susie to cover her garden?

6) Sean needs to seed his rectangular lawn that measures 13 feet by $14\frac{5}{8}$ feet. What is the **area** of the lawn?