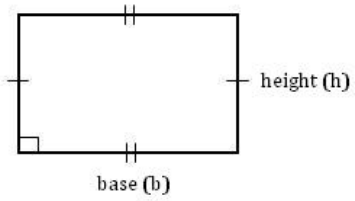
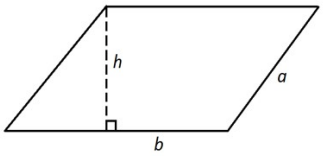
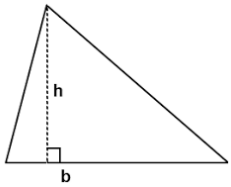
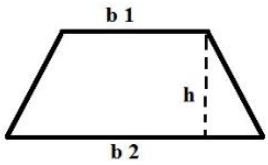
Name: _____ Date: _____

7R 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**.**
Rectangle or Square 	
Parallelogram 	
Triangle 	
Trapezoid 	

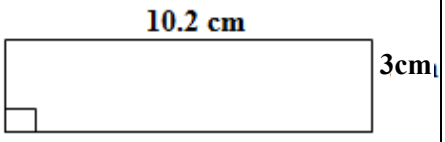
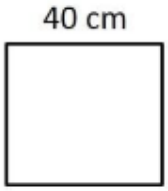
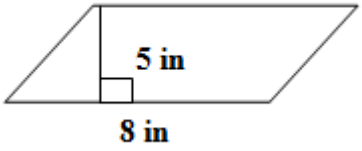
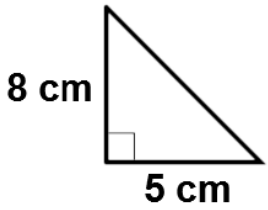
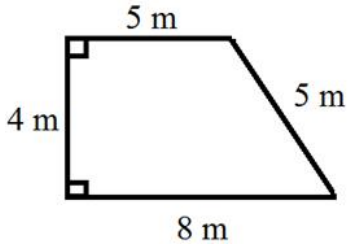
Parallel: _____

_____

Perpendicular: _____

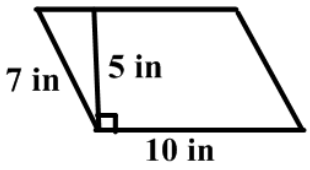
_____

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

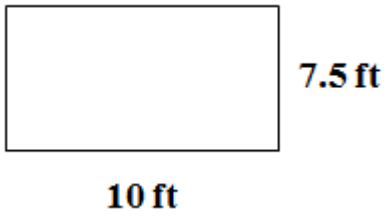
FORMULA	FIGURE	FINDING THE AREA
Rectangle $A = lw$ or $A = bh$		
Square $A = lw$ or $A = bh$		
Parallelogram $A = bh$	 **Notice:** Height is vertical <u>not</u> slanted.	
Triangle $A = \frac{1}{2}bh$		
Trapezoid $A = \frac{1}{2}h(b_1 + b_2)$	 **Notice:** Height is vertical <u>not</u> slanted.	

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

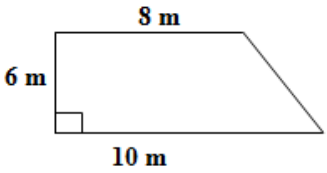
1)



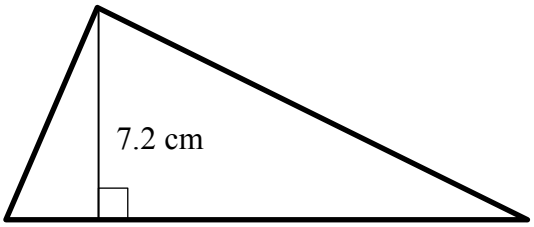
2)



3)



4)



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 rectangulat lawn that measures 13 feet by $14\frac{5}{8}$ feet. What is the **area** of the lawn?