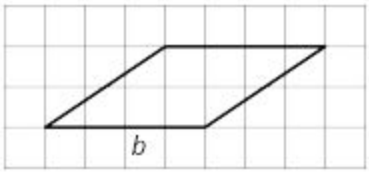
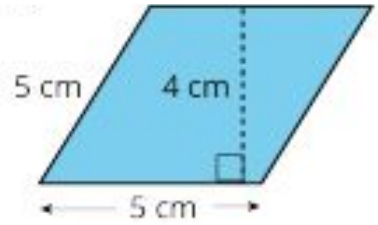
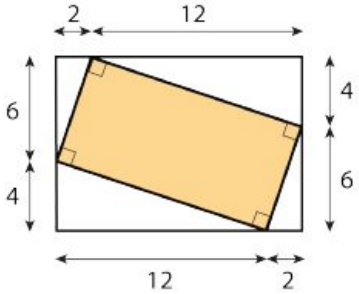
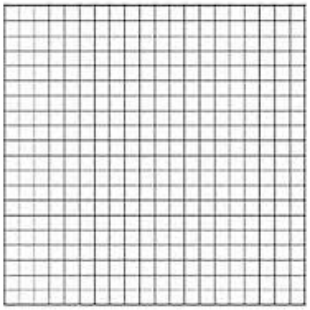
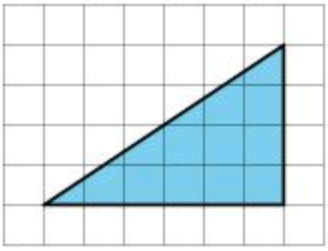
Name: _____

Segment: _____

Weekly HW 3

Show your work for each of the following problems.

This Homework is due on or before FRIDAY.

M:	The side labeled has been chosen as the base for this parallelogram. Draw a segment showing the height corresponding to that base. 	Find the area of this parallelogram: 
T:	Which of the following pairs of base and height produces the greatest area? A. $b = 4, h = 3.5$ B. $b = 0.8, h = 20$ C. $b = 6, h = 2.25$ D. $b = 10, h = 1.4$	Find the area of the shaded region: 
W:	On the grid, draw a quadrilateral that can be decomposed into two identical triangles with a single cut (show the cut line). 	Triangle R is a right triangle. Can we use two copies of Triangle R to compose a parallelogram that is not a square? If so, explain how or sketch a solution. If not, explain why not.
Th:	Find the area of the triangle. Explain or show your reasoning. 	A parallelogram has a base of 3 units and an area of 1.8 square units. What is the corresponding height for that base?