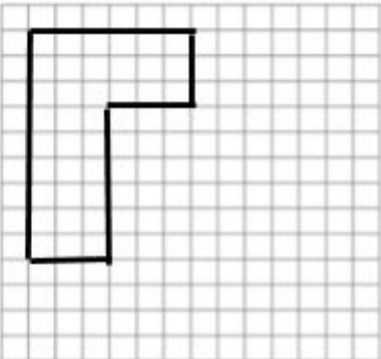**Math 7+** Spiral #8
Due: December 16

Name: _____

TI: Underline/Highlight Terms and Information
P: Problem is worked out
S: Solution is in a complete sentence

		Make sure to follow the **TIPS** to solve the word problems:	Computation: Show all your work & circle your answer
D A Y 1		Marquis is hungry for pizza! He has a choice between Pizza A: Half of a 16 inch pizza or Pizza B: A whole 10 inch pizza to himself. Which pizza would ensure him the largest amount?	Graph the solution set for the inequality: $-m < -22$
D A Y 2		Paula is saving for a spring break trip. So far, she has saved $90. If she plans to save $15 each week (w) from her part-time job, write an equation that shows how long she must save for until her savings are quadrupled?	Rectangle A measures 7 inches by 4 inches. Rectangle B is a scaled copy of Rectangle A. Select **all** of the measurement pairs that could be the dimensions of Rectangle B. A. 1.75 inches by 1 inch B. 14 inches by 8 inches C. 10 inches by 7 inches D. 3.5 inches by 2 inches
D A Y 3		Create a scaled copy of the original figure by using a scale factor of $\frac{1}{3}$.	The scale of a map says that 3 inches represents 4 miles. What distance on a map represents an actual distance of 2 miles?

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D A Y 4	If the rectangle below is enlarged using a scale factor of 3.5, what will be the perimeter of the new rectangle? 8 cm 3 cm	Evaluate: c^2-4ab c= -2, a=4.5, b=$\frac{1}{4}$
D A Y 5	Han received a $65 gift card to the Crocs store. He plans to purchase a new pair for $39.99. Each new charm is $3.99. Which inequality represents this situation, where c is the number of charms Han can purchase. A. $65 \geq 39.99 + 3.99c$ B. $65 \leq 39.99 + 3.99c$ C. $65 \geq 39.99 - 3.99c$ D. $65 \leq 39.99 - 3.99c$	Mikala is constructing two similar triangles *ABC* and *XYZ*. If side length *BC* is 21 cm long, what is the length of *YZ* if a scale factor of $\frac{1}{3}$ is applied?