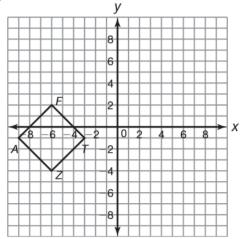
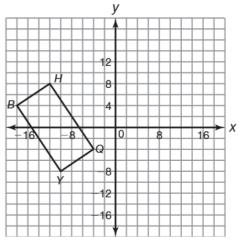
Chapter 3: Perimeter & Area of Geometric Figures on the Coordinate Plane	Name: Past due on:	Period:
3.1 – Using Transformations to Dete		I chou
Show all work on a separate sheet of paper.		
 Four points and their coordinates are given Use the distance and slope formulas to sho that quadrilateral <i>ABCD</i> is a square. a. Find <i>AB</i>, <i>BC</i>, <i>CD</i>, & <i>AD</i>. b. Find m_{AB}, m_{BC}, m_{CD} & m_{AD}. 	-	D (14, 10)
	B (-3, 3)	
		C (9, -2)

Translate each given rectangle or square such that one vertex of the image is located at the origin and label the vertices of the translated image. Calculate the perimeter and area of the image. Round your answer to the nearest hundredth, if necessary.

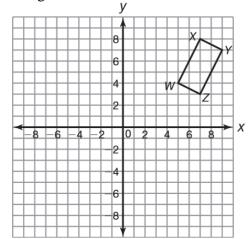
2. Square AFTZ



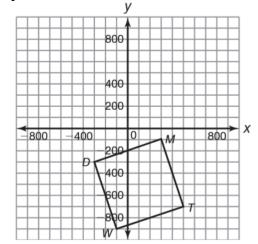
4. Rectangle BHQY



3. Rectangle WXYZ



5. Square *DMTW*



- 6. Olivia translates rectangle WXYZ vertically up 1 unit and horizontally to the right 4 units to produce the image W'X'Y'Z'. Thom translates the rectangle vertically up 6 units and horizontally to the right 5 units to product the image W'X'Y'Z'.
 - a. Would you prefer to use Olivia's translation or Thom's translation to determine the perimeter and the area of the rectangle? Explain your reasoning.
 - b. Calculate the perimeter of the rectangle. Show your work.
 - c. Calculate the area of the rectangle. Show your work.

