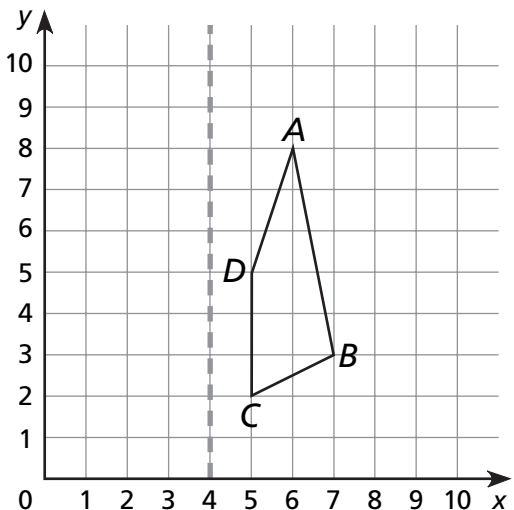


**Geometry**

- 1 Complete the table by writing the coordinates for the vertices for the figure and its reflection over the vertical dotted line.



Vertices	A	B	C	D
Original Figure				
Reflected Image				

**Problem Solving**

Use a strategy and solve.

- 2 Andre is making a pattern of squares using small square tiles. The first figure uses 1 tile and has an area of 1 square unit. The second figure uses 4 tiles and has an area of 4 square units. The third figure uses 9 tiles and has an area of 9 square units. If the pattern continues, what will be the area of the sixth figure in his pattern?

- 3 Study the pattern below. Then extend it to write the equation and find the value of each side in the tenth row.

Row	Equation	Value of Each Side
1	$1^2 + 1 = 2^2 - 2$	2
2	$2^2 + 2 = 3^2 - 3$	6
3	$3^2 + 3 = 4^2 - 4$	12
4	$4^2 + 4 = 5^2 - 5$	20