

2. In geometry, each of the transformations can be generalized by using coordinate notation. For example, when the preimage point  $(4, 2)$  is translated to the left and up to produce the image point  $(2, 4)$ , the corresponding coordinate notation would be  $T : (x, y) \rightarrow (x - 2, y + 2)$ .

Using the information from the tables in part 1 and coordinate notation, complete the table below.

Transformation (Descriptions from tables)	Generalization (Using coordinate notation)
a.	
b.	
c.	
d.	
e.	
f.	

3. The graph below shows both the preimage and its image under a transformation. Describe the transformation both in words and using coordinate notation.

