

## Describing Transformations - Examples of Descriptions

Translations      Example Translation by  $\begin{pmatrix} 4 \\ -2 \end{pmatrix}$

Reflections

Reflection in line  $y = -3$

$$x = 2$$

$x$ -axis

$y$ -axis

$$y = 2x$$

Rotations

Rotation by  $90^\circ$  clockwise  
about the point  $(2, 3)$

Enlargements

Enlargement by scale factor 2  
about the point  $(4, -1)$