

Point-Slope Form of a Line as a Graph Transformation

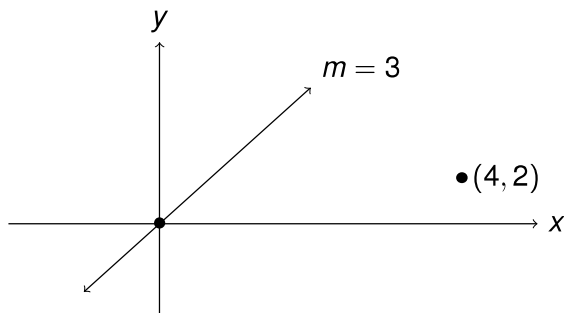


Preliminaries

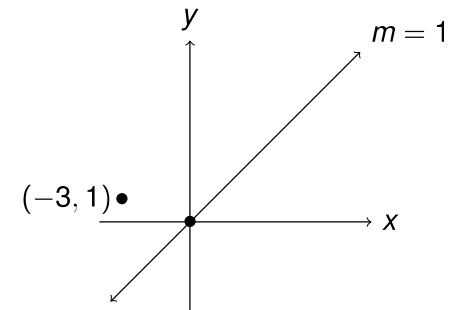
- Point-Slope Form of a Line
- Graph Transformations
 - Shifting
 - Stretching
 - Flipping

Objectives

- Transform the graph $y = x$ by stretching vertically and shifting.



$$y - 2 = 3(x - 4)$$



$$y - 1 = \frac{1}{2}(x + 3)$$