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.
\[ y - 2 = 3(x - 4) \]
\((-3, 1)\) 

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