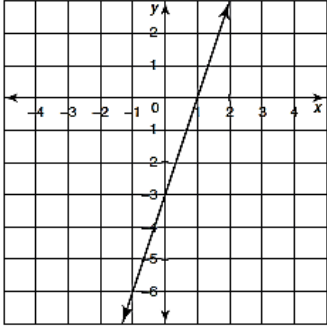


# Calculating Slope

Representation	Formula	Example										
<b>Table</b>	$\frac{\text{change in } y}{\text{change in } x} = \frac{\Delta y}{\Delta x}$ $\frac{\Delta y}{\Delta x} = \frac{y_2 - y_1}{x_2 - x_1}$ <p>where <math>(x_1, y_1)</math> &amp; <math>(x_2, y_2)</math> are coordinate points</p>	<table border="1" style="margin: auto; border-collapse: collapse; text-align: center;"> <thead> <tr style="background-color: #ADD8E6;"> <th style="padding: 5px;">Number of Carnival Ride Tickets</th> <th style="padding: 5px;">Cost (dollars)</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">4</td> <td style="padding: 5px;">9</td> </tr> <tr> <td style="padding: 5px;">8</td> <td style="padding: 5px;">12</td> </tr> <tr> <td style="padding: 5px;">16</td> <td style="padding: 5px;">18</td> </tr> <tr> <td style="padding: 5px;">32</td> <td style="padding: 5px;">30</td> </tr> </tbody> </table>	Number of Carnival Ride Tickets	Cost (dollars)	4	9	8	12	16	18	32	30
Number of Carnival Ride Tickets	Cost (dollars)											
4	9											
8	12											
16	18											
32	30											
<b>Graph</b>	$m = \frac{\text{rise}}{\text{run}}$ $m = \frac{y_2 - y_1}{x_2 - x_1}$ <p>where <math>(x_1, y_1)</math> &amp; <math>(x_2, y_2)</math> are coordinate points</p>											
<b>Ordered Pairs</b>	$m = \frac{y_2 - y_1}{x_2 - x_1}$ <p>where <math>(x_1, y_1)</math> &amp; <math>(x_2, y_2)</math> are coordinate points</p>	$(-2, 1)$ and $(3, 6)$										