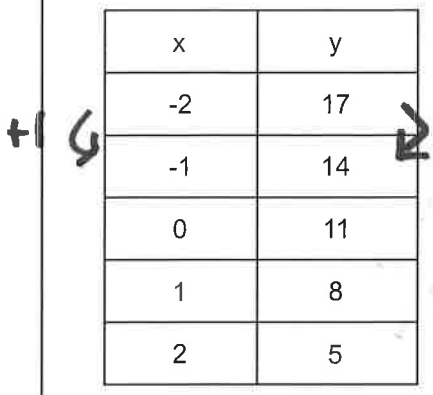
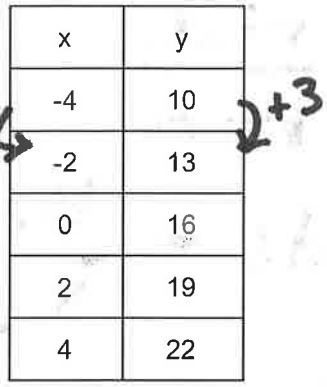
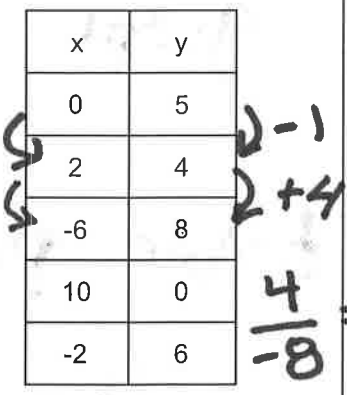
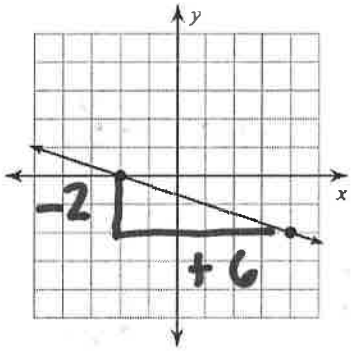
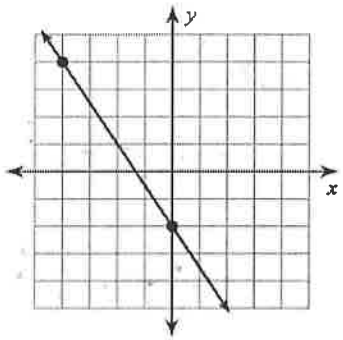
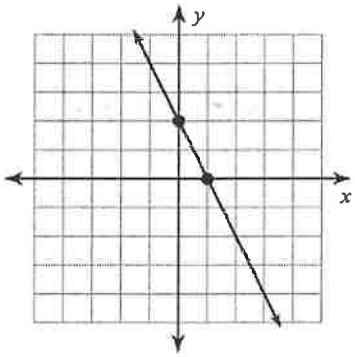
$y = mx + b$

Equation	$y = -3x + 2$ Slope = -3	$y = \frac{2}{3}x - 5$ Slope = $\frac{2}{3}$	$2y - 4x = 10$ $+4x \quad +4x$ $\frac{2y = 4x + 10}{2}$ $y = 2x + 5$ Slope = 2
Table	 Slope = $-3/1 = -3$	 Slope = $3/2$	 $\frac{4}{-8} = -\frac{1}{2}$ Slope = $-1/2$
Graph	 Slope = $\frac{-2}{6} = -\frac{1}{3}$	 Slope =	 Slope =
Points	The line through points (0, 1) and (-3, 10) Slope =	The line through points (12, 5) and (6, -5) $\frac{5 - -5}{12 - 6} = \frac{10}{6}$ Slope = $5/3$	The line through points (-2, 10) and (-4, 6) Slope =
	The equation is parallel to the: table, The equation is perpendicular to the: The equation is skew to the:	The equation is parallel to the: The equation is perpendicular to the: The equation is skew to the:	The equation is parallel to the: The equation is perpendicular to the: The equation is skew to the:

Skew = neither

Slope is... $\frac{\text{rise}}{\text{run}}$ or $\frac{\text{change in } y}{\text{change in } x}$

You can find slope in different representations by...

graph - $\frac{\text{rise}}{\text{run}}$

table, points - $\frac{y_2 - y_1}{x_2 - x_1}$

Parallel lines have slopes that are...

the same

Perpendicular lines have slopes that are...

opposites ex:

slope 1: 2 or $-\frac{3}{9}$

slope 2: $-\frac{1}{2}$ $4/3$