

Determine the slope of the line passing through each pair of points given below.

- [1] (-1, -1) and (-3, 2)
- [2] (0, 0) and (6, -3)
- [3] (2, -5) and (1, -2)
- [4] (3, 1) and (0, 3)

Are each of the following lines parallel or perpendicular? Explain your reasoning.

- [5] Line A, which passes through (1, 4) and (6, 6)
Line B, which passes through (-1, -6) and (4, -4)
- [6] Line C, which passes through (0, 5) and (5, 0)
Line D, which passes through (0, 2) and (2, 0)
- [7] Line E, defined by the equation $y = 2x + 5$
Line F, defined by the equation $y = -0.5x - 3$
- [8] Line G, which passes through (-1, -1) and (-3, 2)
Line H, which passes through (7, -3) and (13, 1)

Graph each of the following lines on the coordinate plane.

- [9] Line J, passing through (-1, 3) with slope = $1/4$
- [10] Line K, passing through (4, 2) with slope = $-4/5$
- [11] Line L, passing through (0, 3) and parallel to the line defined by the equation $y = -2x + 5$
- [12] Line M, passing through (2, 2) and perpendicular to the line defined by the equation $y = \frac{2}{3}x - 2$