

Homework: Draw the Line

			<p>A line that passes through the point (1, -3). The line is perpendicular to another line. Whose slope = -1</p> <p>First form equation: slope of line = $y - y_1/x - x_1$ Slope of perpendicular line is negative reciprocal; so slope of the line is $-(1/-1) = 1$ As value of x_2 and y_2 are given: $1 = y - (-3)/x - 1$ $x - 1 = y + 3;$ $x - y = 4$</p> <p>Find one more value of x and y. On graph draw a line including two values of x and y.</p>
x	1	0	
y	-3	-4	

Draw the line that is described.

- A line that passes through the point (1, 3). Slope = 1
- A line that passes through the point (0, -1).
The line is parallel to another line. Slope = 3
- A line that passes through the point (2, -3).
The line is perpendicular to another line. Whose slope = 1/2.
- A line that passes through the point (1, 4).
The line is parallel to another line. Slope = 1
- A line that passes through the point (1, -5).
The line is perpendicular to another line. Whose slope = -1
- A line that passes through the point (1, -2).
The line is parallel to another line. Slope = -4
- A line that passes through the point (1, -1). Slope = 3
- A line that passes through the point (2, -5).
The line is to parallel another line. Whose slope = -3
- A line that passes through the point (2, -3).
The line is perpendicular to another line. Slope = -1/2
- A line that passes through the point (1, 1). Slope = 2
- A line that passes through the point (1, 6). Slope = 1
- A line that passes through the point (0, -3).
The line is perpendicular to another line. Slope = -1/3