point-slope form of a linear equation:

example: (4, -4), m = -3

slopes of lines

Write the point-slope form of a linear equation for a line that passes through: (-3, 5) and (0, -4).

Write the point-slope form of a linear equation for a line that passes through: (-2, 2) and (3, 4).

Write the point-slope form of a linear equation for a line that passes through: (-3, -3) and (1, 5).

Write the point-slope form of a linear equation for a line that passes through (5, 1) and is parallel to $y = \frac{6}{5}x + 4$.

Write the point-slope form of a linear equation for a line that passes through (-4, -2) and is parallel to $y = \frac{7}{4}x - 3$.

Write the point-slope form of a linear equation for a line that passes through (-2, -2) and is parallel to $y = x + 4$.

Write the point-slope form of a linear equation for a line that passes through (1, -5) and is parallel to x = 2.

Write the point-slope form of a linear equation for a line that passes through (5, 1) and is perpendicular to y = 8x + 5.

Write the point-slope form of a linear equation for a line that passes through (2, -5) and is perpendicular to y = 2x + 1.

Write the point-slope form of a linear equation for a line that passes through (-4, -1) and is perpendicular to y = x + 3.