

Quick Reference: Write the linear equation in each form.

slope-intercept form

point-slope form

standard form

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- Write the equation of the line in slope intercept form that has a y-intercept of (0, -3) and a slope of -2.
 - Write the equation of the line in slope-intercept form that passes through (6, -4) and (4, 4).
 - Write the equation of the line in point-slope form that passes through (-5, 2) and has a slope of $\frac{3}{4}$.
 - Write the equation of the line in point-slope form that passes through (-3, 1) and (2, 5).
 - Rewrite $y = -\frac{2}{3}x + 5$ in standard form.
 - Write the equation of the line in slope-intercept form that passes through (7, 4), and is parallel to $y - 5 = \frac{3}{7}(x - 2)$.
 - What is the slope of a line that is perpendicular to $4x + 3y = -9$?
 - Write the equation in standard form of the line that passes through (2, 3), and is perpendicular to $y = -\frac{1}{3}x - 1$.