

WRITE AN EQUATION OF A LINE IN SLOPE-INTERCEPT FORM

SLOPE = $-\frac{5}{7}$ Y-INTERCEPT = 3

SLOPE = -5 Y-INTERCEPT = -1

SLOPE = 2 Y-INTERCEPT = 4

GRAPH EACH EQUATION

① $-3x + y = 6$

③ $4x + 9y = 27$

⑤ $5x - 6y = 36$

⑦ $y = -x - 3$

② $-2x + y = -4$

④ $y = \frac{3}{4}x - 2$

⑥ $3x + 8y = 32$

⑧ $4x + y = 8$

WRITE AN EQUATION OF THE LINE THAT PASSES THROUGH THE GIVEN POINT AND HAS THE GIVEN SLOPE

① $(3, 1)$ SLOPE $\Rightarrow 2$

③ $(2, 5)$ SLOPE $\Rightarrow -2$

⑤ $(9, -2)$ $(4, 3)$

⑦ $(3, 5)$ $(2, -2)$

⑨ $(-2, -4)$ $(2, 4)$

⑪ $(4, 2)$ SLOPE $\Rightarrow \frac{1}{2}$

⑬ $(6, 4)$ SLOPE $\Rightarrow -\frac{3}{4}$

② $(-1, 4)$ SLOPE $\Rightarrow -1$

④ $(2, 6)$ SLOPE $\Rightarrow 2$

⑥ $(-5, 3)$ $(0, -7)$

⑧ $(-1, -3)$ $(-2, 3)$

⑩ $(-2, 5)$ $(5, -2)$

⑫ $(2, -2)$ SLOPE $\Rightarrow \frac{2}{7}$

⑭ $(-4, -2)$ SLOPE $\Rightarrow -\frac{3}{5}$

WRITE AN EQUATION IN POINT SLOPE FORM FOR EACH POINT WITH THE GIVEN SLOPE. GRAPH YOUR EQUATION.

① $(5, 3)$ $m = 7$

③ $(-6, -3)$ $m = -1$

⑤ $(-2, 11)$ $m = \frac{4}{3}$

② $(2, -1)$ $m = -3$ $y + 1 = -3(x - 2)$

④ $(-2, -9)$ $m = -\frac{7}{5}$ $y + 9 = -\frac{7}{5}(x + 2)$

⑥ $(-7, 6)$ $m = 0$ $y = 6$

WRITE EACH EQUATION IN STANDARD FORM?

① $y - 10 = 2(x - 8)$

② $2y + 3 = -\frac{1}{3}(x - 2)$

③ $4y - 5x = 3(4x - 2y + 1)$

④ $y + 4 = \frac{2}{3}(x + 7)$

⑤ $y + 7 = -\frac{3}{2}(x + 1)$

⑥ $y - 6 = -3(x + 2)$