

M10 - 7.4 - Point/Slope: Slope Intercept Form HW

Write in $y = mx + b$

$$(1,3), \quad m = 2$$

$$(-2,3), \quad m = 2$$

$$(-2,-3), \quad m = -2$$

$$(-3,-2), \quad m = \frac{1}{2}$$

$$(2,-3), \quad m = 0$$

$$(1,5), \quad m = \text{und}$$

$$(1,2), \quad m = -6$$

$$(2,-3), \quad m = -1$$

$$(-1,-3), \quad m = \frac{1}{2}$$

$$(0,5), \quad m = -2$$

$$(6,-2), \quad m = -\frac{4}{3}$$

$$(-1,-5), \quad m = 1$$

M10 - 7.4 - Slope Point Form - Slope Intercept Form HW

Write in Slope Intercept Form

$$\begin{aligned}y - 1 &= 3(x - 4) \\y - 1 &= 3x - 12 \\+1 &\quad +1 \\y &= 3x - 11\end{aligned}$$

$$y - 4 = 2(x - 1)$$

$$y - 6 = 4(x - 3)$$

$$y + 5 = 3(x - 4)$$

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

$$y + 6 = 4(x - 4)$$

$$y - 9 = 7(x + 5)$$

$$y - 7 = 5(x + 1)$$

$$y - 3 = 1(x + 4)$$

$$y + 5 = 3(x + 5)$$

$$y + 4 = \frac{2}{3}(x + 3)$$

$$y + 8 = 6(x + 5)$$

$$y - 4 = -2(x - 1)$$

$$y - 3 = -1(x - 2)$$

$$y + 7 = -\frac{5}{2}(x - 3)$$

$$y + 10 = -\frac{8}{3}(x + 5)$$

$$y - 10 = -8(x + 1)$$

$$-y - 5 = \frac{3}{2}(x - 1)$$

M10 - 7.4 - Slope Intercept Form - General Form HW

Write in General Form

$$y = 1x + 4$$

$$y = 5x + 9$$

$$y = 6x + 8$$

$$y = 1x - 8$$

$$y = 8x - 2$$

$$y = 7x - 3$$

$$y = \frac{1}{2}x - 5$$

$$y = \frac{4}{3}x + 5$$

$$y = -\frac{2}{3}x + 5$$

$$\frac{y}{2} = -\frac{2}{3}x - 2$$

$$y = 8x$$

$$y = 9$$

M10 - 7.4 - Slope Point Form - General Form HW

Write in General Form

$$y - 4 = 3(x - 1)$$

$$y - 4 = 3x - 3$$

$$+4 \quad +4$$

$$y = 3x + 1$$

$$-y \quad -y$$

$$0 = 3x - y - 1$$

$$y - 4 = 2(x - 5)$$

$$y - 8 = 6(x - 3)$$

$$y - 7 = 5(x + 2)$$

$$y - 2 = \frac{1}{2}(x + 5)$$

$$y + 6 = 4(x - 5)$$

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

$$y + 4 = \frac{2}{3}(x + 4)$$

$$y + 4 = 2(x + 5)$$

$$y - 9 = -\frac{7}{3}(x - 2)$$

$$y - 4 = -2(x + 4)$$

$$y + 9 = -3(x - 1)$$

M10 - 7.4 - General Form - Slope Intercept Form HW

Write in Slope Intercept Form

$$3x + 1y + 3 = 0$$

$$3x + y + 3 = 0$$

$$-3x \qquad -3x$$

$$y + 3 = -3x$$

$$-3 \qquad -3$$

$$y = -3x - 3$$

$$x + y + 4 = 0$$

$$2x - y + 4 = 0$$

$$8x + 8y - 8 = 0$$

$$2x + \frac{1}{2}y - 4 = 0$$

$$16x + 4y - 4 = 0$$

$$-32x + 8y + 16 = 0$$

$$-8x + \frac{4}{3}y - 12 = 0$$

$$-\frac{3}{2}x - 3y + 12 = 0$$

$$\frac{1}{2}x - \frac{2}{3}y + 9 = 0$$

$$-\frac{2}{3}x + \frac{1}{6}y - 2 = 0$$

$$-1x - 1y - 3 = 0$$