

90 - 75 → A

63 - 69 → B

54 - 62 → C

48 - 53 → D

47 ↓ → F

	69.75
75*.84	
	63
75*.72	
	54
75*.64	
	48

work. Be sure to include the **generic equation** with each examp.

$y - y_1 = m(x - x_1)$ → 22. $y = -\frac{1}{3}x - 2$, $(-3, -3)$ $m // \text{ to } -\frac{1}{3}$

$$\begin{aligned}x + 3 &= -\frac{1}{3}(x + 3) \\x + 3 &= -\frac{1}{3}x - 1 \\ \hline x &= -\frac{1}{3}x - 4\end{aligned}$$

1 with each example. $y - y_1 = m(x - x_1)$

17. $(0, 0)$, $m = -\frac{1}{2}$ $y - 0 = -\frac{1}{2}(x - 0)$

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

given point. Show ALL work. Be sure to include the

23. $y = -2x + 3$, $(0, 5)$ $m // to -2$ 24.

$y - y_1 = m(x - x_1)$ $y = mx + b$

$y - 5 = -2(x - 0)$ $y = -2x + 5$

$y - 5 = -2x$ $\begin{array}{r} +2x \\ \hline 2x + y = 5 \end{array}$

$\begin{array}{r} +5 \\ \hline y = -2x + 5 \end{array}$ $\underline{\underline{2x + y = 5}}$

Write in slope intercept form the equation of the line

18. BE SURE TO INCLUDE THE SLOPE

$$y - y_1 = m(x - x_1)$$

19. $(-6, 4), m = 0$

$$y - 4 = 0(x - 6)$$

$$y - 4 = 0$$

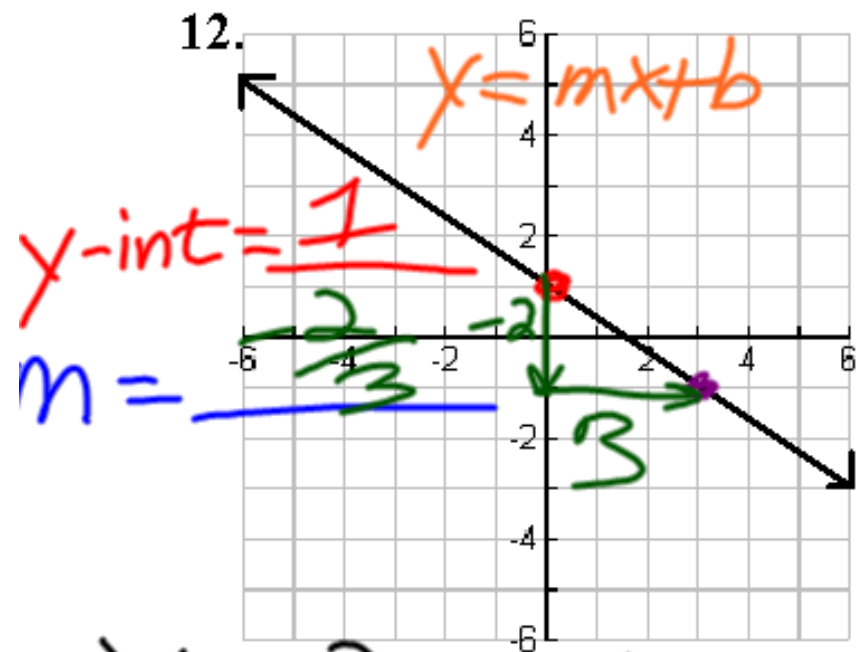
$$\begin{array}{r} +4 \quad +4 \\ \hline \end{array}$$

$$\underline{\underline{y = 4}}$$

Work. Be sure to include the generic equation with each e

$$y - y_1 = m(x - x_1)$$
$$y - 2 = \frac{1}{5}(x - 4) \quad 24. \quad y = \frac{1}{5}x + 3, \quad (4, 2) \quad m // \text{to } \frac{1}{5}$$
$$5(y - 2) = \left(\frac{1}{5}x - \frac{4}{5}\right) 5$$
$$5y - 10 = x - 4$$
$$\begin{array}{r} -x \quad 5y - 10 = x - 4 \\ \quad \quad +10 \quad -x \quad +10 \\ \hline -x + 5y = 6 \end{array}$$

Form the equation of the line that is perpendicular to the given



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

13.

example

27. $y = -4x + 5$, $(0, 5)$

$m \perp TO \perp T$

So...
 $m = \frac{1}{4}$

$$y = mx + b$$

$$4(y) = \left(\frac{1}{4}x + 5\right)4$$

$$4y = 1x + 20$$

$$\begin{array}{r} -x \quad -1x \\ \hline \end{array}$$

$$\underline{\underline{-1x + 4y = 20}}$$

through the given point. Show ALL work. For an example.

$m \perp$ to 5 so...

25. $y = 5x + 1$, $(2, 1)$ $m = -\frac{1}{5}$

$$y - y_1 = m(x - x_1)$$

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

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

$$+\frac{1}{5}$$

$$+\frac{1}{5}$$

$$\underline{\underline{y = -\frac{1}{5}x + \frac{3}{5}}}$$

