

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

equation with each example.

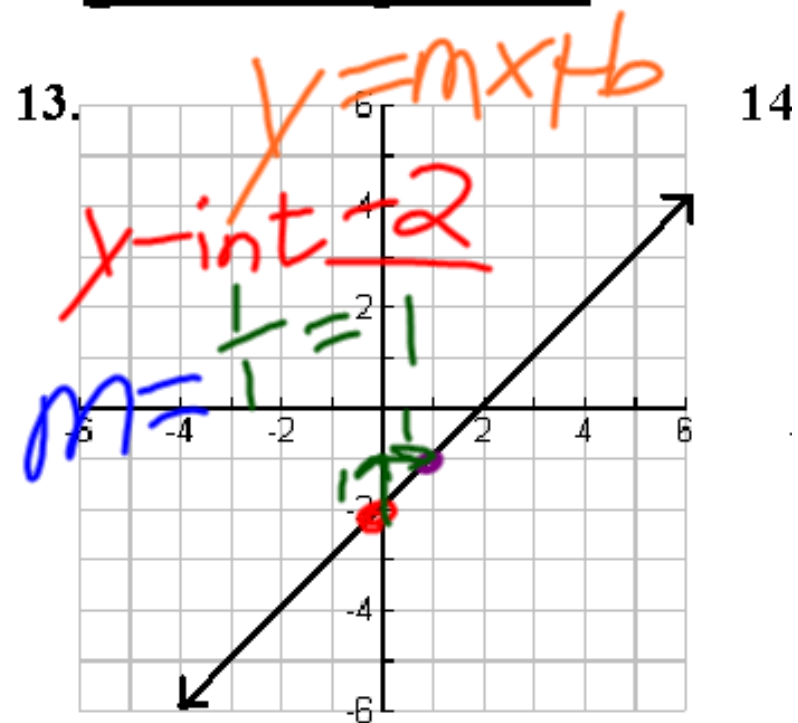
$$y = mx + b$$

11. y-intercept = $\frac{5}{2}$, Slope = 0,

$$y = 0x + \frac{5}{2}$$

$$y = \frac{5}{2}$$

the GENERIC EQUATION with each



$y = 1x - 2$

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

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

$$x - 0 = \frac{1}{2}(x - 0)$$
$$y = -\frac{1}{2}(x)$$

... point-slope ...
slope. Show ALL work. Be sure

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

15. (7, 7), $m = -2$

$$\underline{y - 7 = -2(x - 7)}$$

∴ Be sure to include the **gener**

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

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

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

$$y - 4 = 0$$

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

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

equation of the line that is parallel to the given line and passes through the point (-3, -3).
be sure to include the **generic equation** with each exam

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

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

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

$$\underline{\underline{y = -\frac{1}{3}x - 4}}$$

equation of the line that is parallel to the given line and passes through the point (-3, -3).

rk. Be sure to include the **generic equation** with each

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

$$m \perp \text{to } -\frac{1}{3} \text{ so } \underline{\underline{m=3}}$$

$$26. y = -\frac{1}{3}x - 2, (6, 6)$$

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

$$y - 6 = 3x - 18$$

$$\begin{array}{r} +6 \qquad +6 \\ \hline \end{array}$$

$$\underline{\underline{y = 3x - 12}}$$

f the line that is **perpendicular** to the given line and passes

example. $m \perp$ to y so...

$$y = mx + b$$

27. $y = -4x + 5$, $(0, 5)$ $m = \frac{1}{4}$

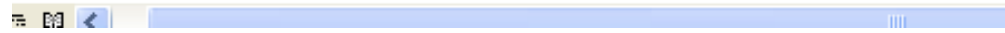
$$4 \cdot y = \left(\frac{1}{4}x + 5 \right) 4$$

$$4y = 1x + 20$$

$-1x$

$-1x$

$$-1x + 4y = 20$$



given point. Show ALL work. Be sure to

$$y = mx + b \quad m // t_o \underline{\underline{-2}}$$

23. $y = -2x + 3$, $(0, 5)$

$$y = -2x + 5$$
$$\underline{\underline{-2x \quad +2x}}$$

$$\underline{\underline{2x + y = 5}}$$

Find the line that is perpendicular to the given line and passes through the point. Be sure to include the **generic equation** with each

$y - y_1 = m(x - x_1)$ $m \perp$ to $\frac{1}{7}$ so... -7

28. $y = \frac{1}{7}x$, $(2, -1)$

$$y - (-1) = -7(x - 2)$$

$$y + 1 = -7x + 14$$

$$7x + y = 13$$

through the given point. Show ALL work. Be sure to include an example.

$y - y_1 = m(x - x_1)$
25. $y = 5x + 1$, $(2, 1)$ $m \perp$ to 5 so... $-\frac{1}{5}$

26. $y =$

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

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

$$y = -\frac{1}{5}x + \frac{7}{5}$$

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

$$y - y_1 = m(x - x_1) \quad m \parallel \frac{1}{5}$$

$$24. y = \frac{1}{5}x + 3, (4, 2)$$

$$y - 2 = \frac{1}{5}(x - 4)$$

$$5(y - 2) = \left(\frac{1}{5}x - \frac{4}{5}\right)5$$

$$\begin{array}{r} 5y - 10 = 1x - 4 \\ -1x \quad +10 \quad -1x \quad +10 \\ \hline \end{array}$$

$$\underline{\underline{-1x + 5y = 6}}$$

the equation of the line that is **perpendicular** to the given
v ALL work. Be sure to include the **generic equation**

we to include the point-slope equation

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

16. $(-8, -2), m = 3$

$$y + 2 = 3(x + 8)$$

$$y + 2 = 3(x + 8)$$
