Date: Block: NAME: _____

Graphing Linear Equations

1. Graph the lines between each of the following points and find the slope of each line.

(a) (2,1) & (4,2)

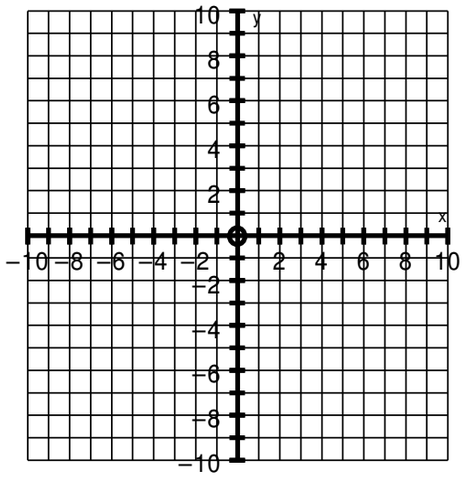
Slope =

(b) (-3,2) & (1,-4)

Slope =

(c) (8,-3) & (10,3)

Slope =



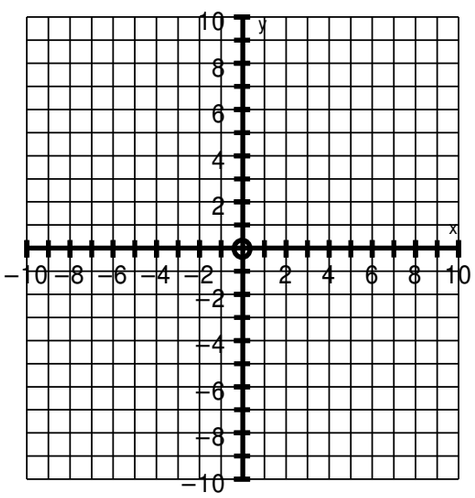
2. Graph the lines that contain the points and have the slopes listed.

(a) (-2,-3); $m = \frac{4}{5}$

(b) (2,3); $m = -\frac{2}{3}$

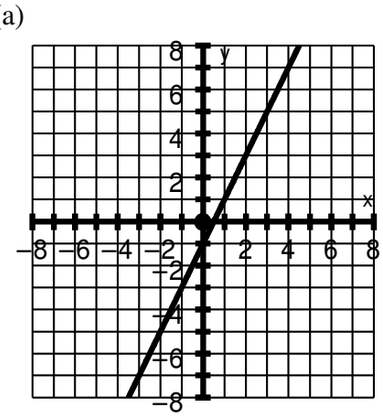
(c) (1,8); $m = 0$

(d) (-6,-2); m is undefined

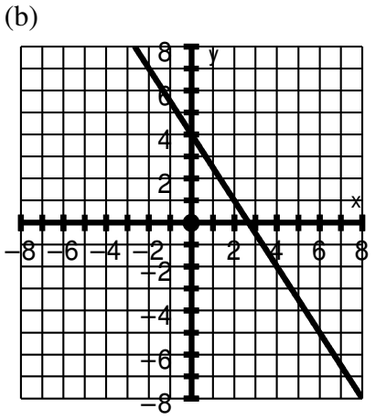


3. For each of the following graphs, find the slope (m), the y-intercept (b), and then give the equation of the line in the form of y = mx + b.

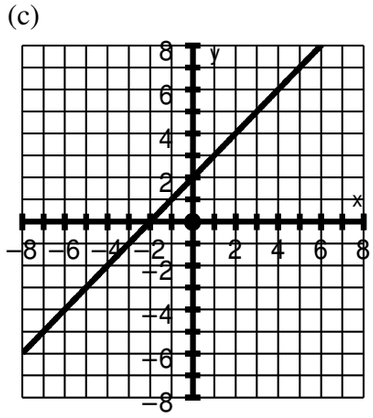
(a)



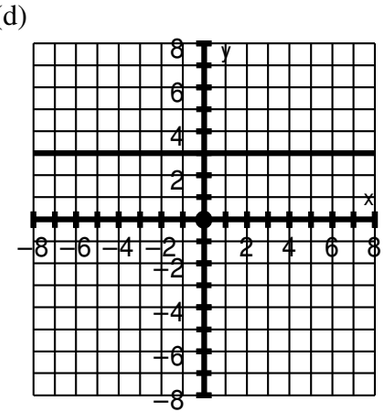
(b)



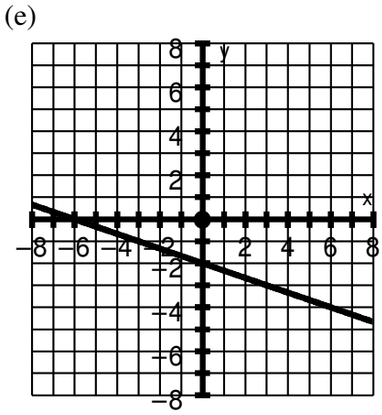
(c)



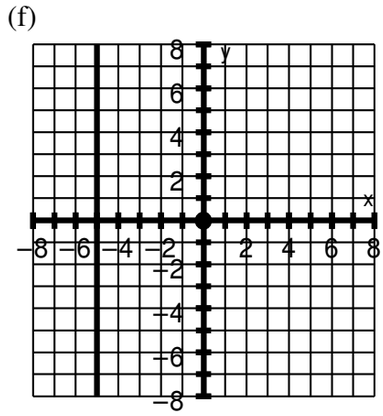
(d)



(e)



(f)



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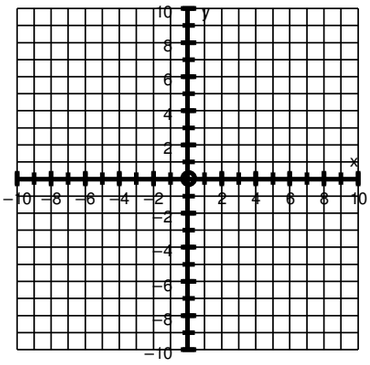
4. Graph each of the following lines:

(a) $y = 2x - 1$

slope = _____

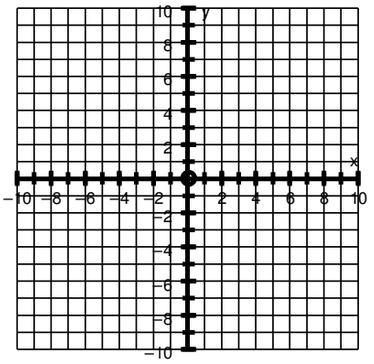
y-int. = _____



(b) $y = \frac{4}{5}x - 7$

slope = _____

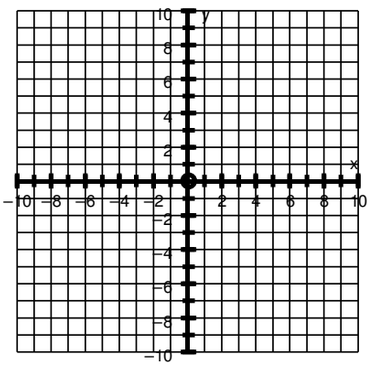
y-int. = _____



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

slope = _____

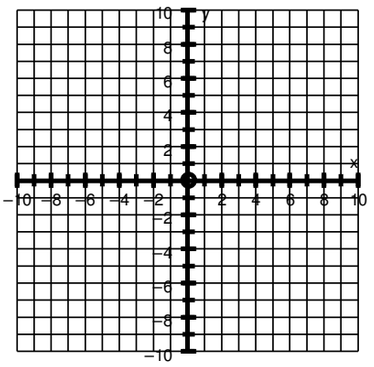
y-int. = _____



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

slope = _____

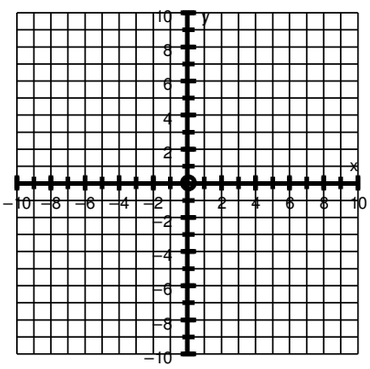
y-int. = _____



(e) $y = -2x + 8$

slope = _____

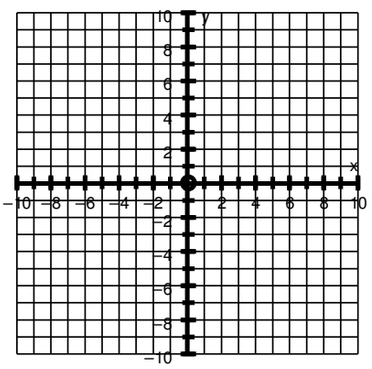
y-int. = _____



(f) $y = \frac{4}{5}x - 6$

slope = _____

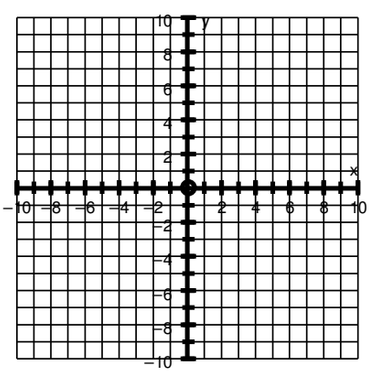
y-int. = _____



(g) $y = -\frac{4}{3}x + 7$

slope = _____

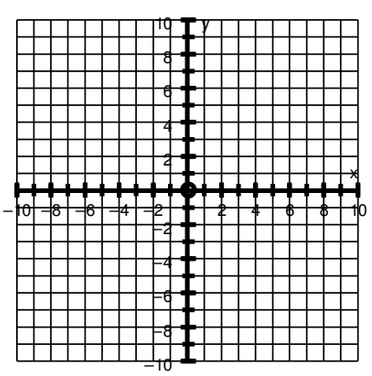
y-int. = _____



(h) $y = 2$

slope = _____

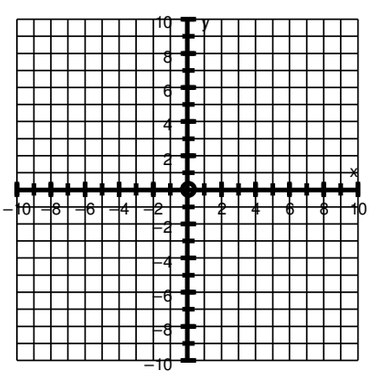
y-int. = _____



(i) $4y = 6x - 12$

slope = _____

y-int. = _____



(j) $2y - 12 = -6x$

slope = _____

y-int. = _____