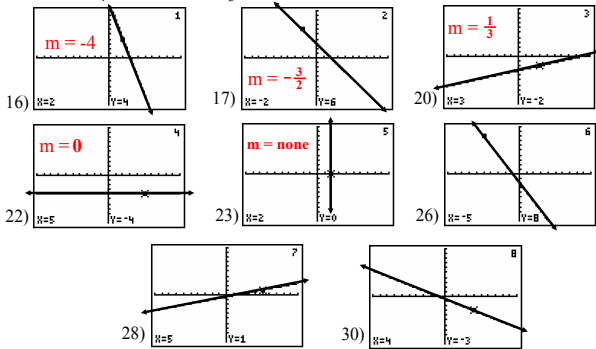


Algebra I
pg 363

- 2) $m = -\frac{3}{2}$ 8) $m = \frac{3}{4}$
 4) $m = -2$ 10) $m = \frac{3}{2}$
 6) $m = \frac{3}{4}$ 12) $m = \frac{14}{3}$



Find the slope through the given points.

- 2) $(-4, 2)$ $(-6, 5)$ 4) $(0, 7)$ $(2, 3)$ 6) $(-4, 3)$ $(4, 9)$

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{5 - 2}{-6 - (-4)}$$

$$= \frac{3}{-6 + 4} = -\frac{3}{2}$$

- 8) $(6, 3)$ $(2, 0)$ 10) $(-8, -7)$ $(-6, -4)$ 12) $(-2, 7)$ $(-5, -7)$

$$m = \frac{-7 - (-4)}{-8 - (-6)}$$

$$= \frac{-7 + 4}{-8 + 6} = \frac{-3}{-2}$$

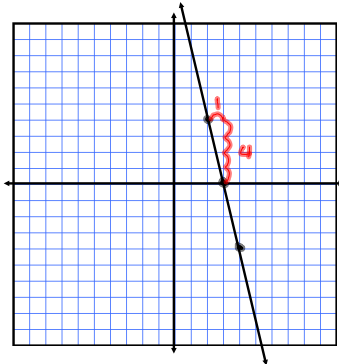
$$= \frac{3}{2}$$

Find the slope of each line

16) $y = 12 - 4x$

$(2, 4)$
 $(4, -4)$
 $(3, 0)$ $m = -\frac{4}{1} = -4$

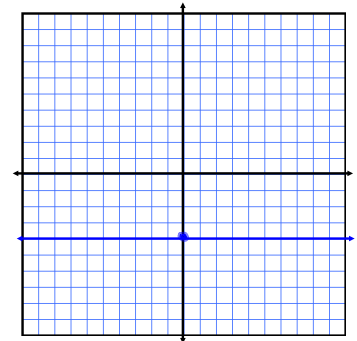
17) $3x + 2y = 6$



Find the slope of each line

20) $x - 3y = 9$

22) $y + 4 = 0$
 $y + 4 - 4 = 0 - 4$
 $y = -4$
 $m = 0$



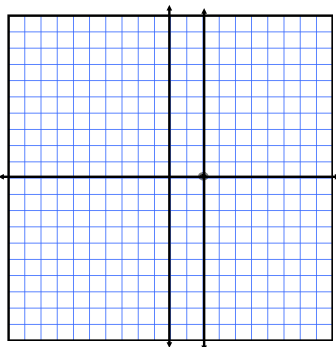
Find the slope of each line

23) $x = 2$

$m = \text{no slope}$

Through the given point, draw a line with the given slope.

26) B $(-3, 4)$; slope = -2



Through the given point, draw a line with the given slope.

28) N $(-2, -1)$; slope = $\frac{2}{3}$ (up over)

30) H $(4, -3)$; slope = $-\frac{3}{5}$

