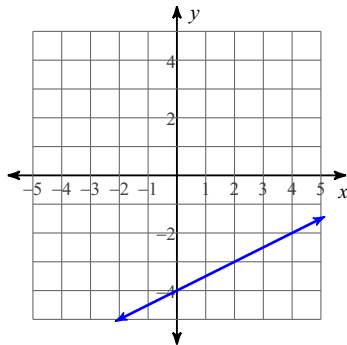


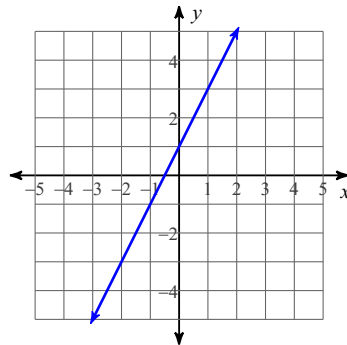
$Y=mx+b$ and intercepts

Write the slope-intercept form of the equation of each line.

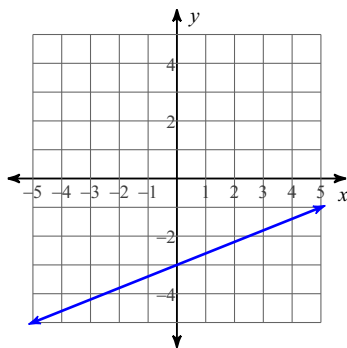
1)



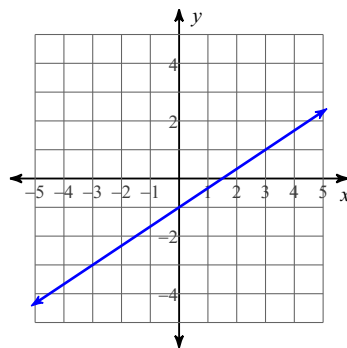
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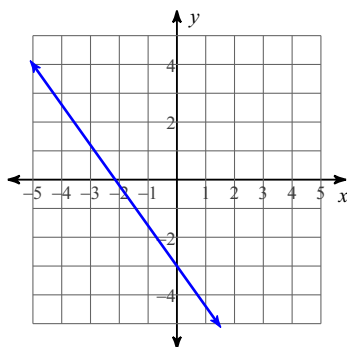
3)



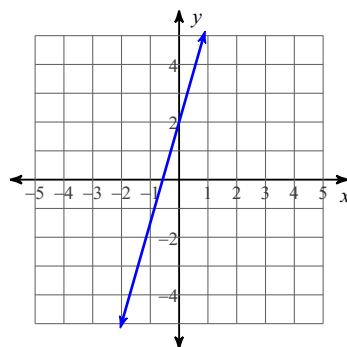
4)



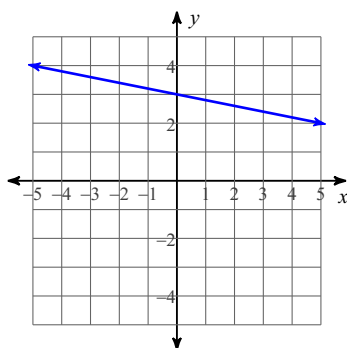
5)



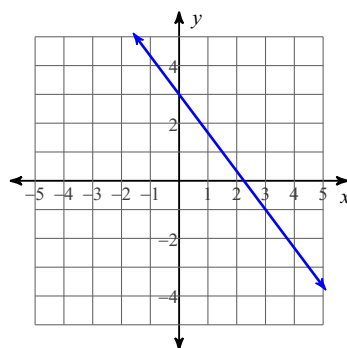
6)



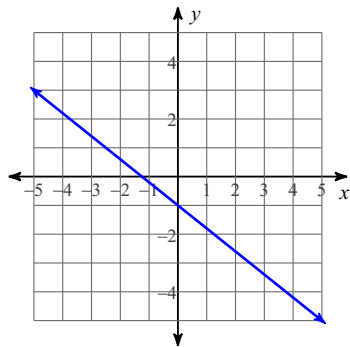
7)



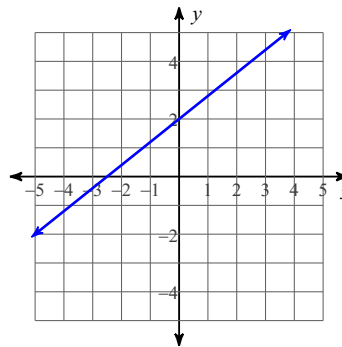
8)



9)



10)



Write the slope-intercept form of the equation of the line through the given point with the given slope.

11) through: $(-1, 4)$, slope = -2 12) through: $(-4, 1)$, slope = $-\frac{5}{4}$ 13) through: $(2, 2)$, slope = $\frac{5}{2}$ 14) through: $(5, 0)$, slope = -3 15) through: $(-1, 5)$, slope = -1

Write the slope-intercept form of the equation of the line through the given points.

16) through: $(-1, 4)$ and $(0, -4)$ 17) through: $(4, -3)$ and $(2, 2)$

18) through: $(0, -1)$ and $(4, 5)$

19) through: $(0, -2)$ and $(-5, 4)$

20) through: $(0, -3)$ and $(-5, 1)$

Find the x-intercept

21) $6x + 7y = 36$

22) $4x + 3y = 12$

23) $x + 3y = -21$

24) $7x + 6y = -14$

25) $4x - y = 7$

Find the y-intercept

26) $8x + 3y = 24$

27) $x + 4y = -20$

28) $7x + y = -7$

29) $6x - 5y = 25$

30) $2x + 7y = 0$