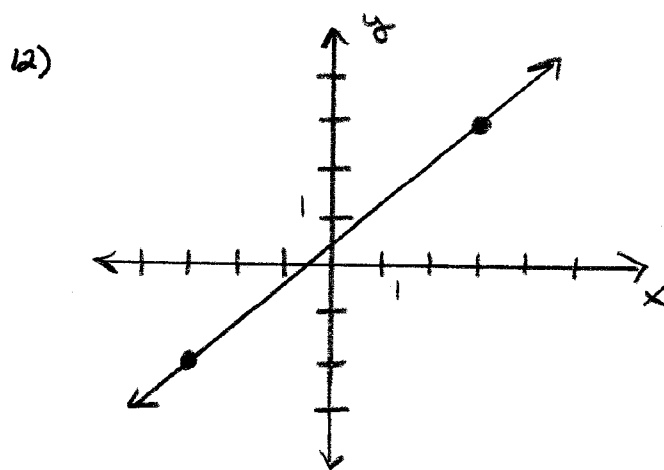
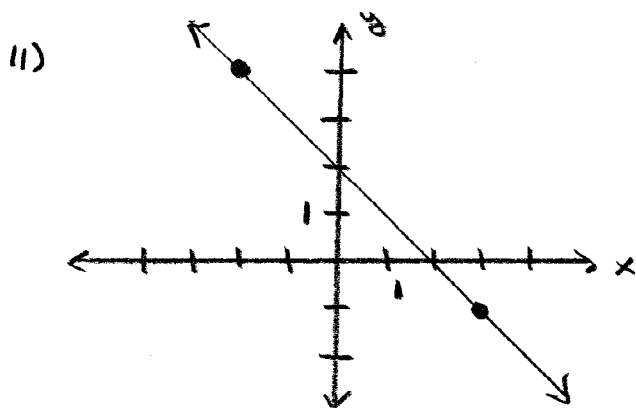


Review: Writing Linear Equations: Given two points

Write an equation of a line in Slope-Intercept Form given the following characteristics of the line.

- 1) passes through $(6,1)$ & $(8,-4)$
- 2) passes through $(4,6)$ & origin
- 3) passes through $(-1,3)$ & $(-6,-2)$
- 4) has x -intercept $= -3$
has y -intercept $= 6$
- 5) passes through $(2,4)$ & $(5,9)$
- 6) passes through $(4,2)$
parallel to $y = 2x - 4$
- 7) passes through $(1,1)$
perpendicular to $y = \frac{1}{2}x + 1$
- 8) passes through $(-3,2)$
perpendicular to $y = 3x + 1$
- 9) passes through $(1,3)$
perpendicular to $x + 2y = 2$
- 10) passes through $(-3,2)$
perpendicular to $2x + 3y = 4$



Answers:

- | | | |
|---------------------------------------|-------------------------------------|--------------------------------------|
| 1) $y = -\frac{5}{2}x + 16$ | 2) $y = \frac{3}{2}x$ | 3) $y = x + 4$ |
| 4) $y = 2x + 6$ | 5) $y = \frac{5}{3}x + \frac{2}{3}$ | 6) $y = 2x - 6$ |
| 7) $y = -2x + 3$ | 8) $y = -\frac{1}{3}x + 1$ | 9) $y = 2x + 1$ |
| 10) $y = \frac{3}{2}x + \frac{13}{2}$ | 11) $y = -x + 2$ | 12) $y = \frac{5}{6}x + \frac{1}{2}$ |