

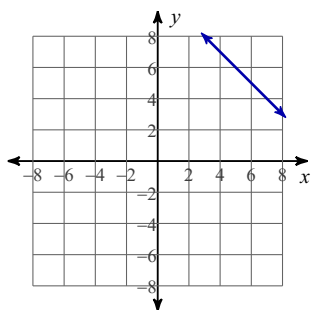
Answers to HW15: Point-Slope

1) Yes; it is a point on the graph.

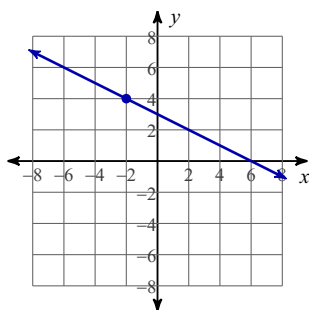
3) No; it is not a point on the graph.

5) No; it is not a point on the graph.

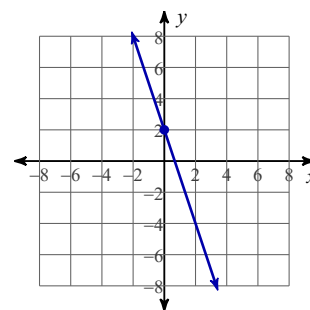
7)



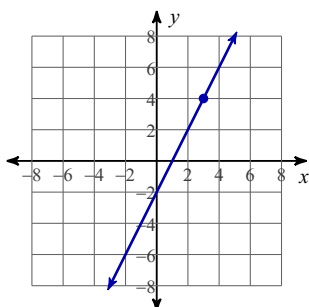
8)



9)



10)



11) Point: $(2, 3)$; slope $\frac{4}{1}$

12) Point: $(0, 1)$; slope $-\frac{2}{3}$

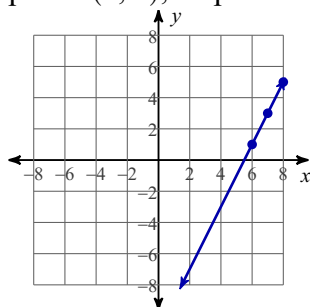
13) Point: $(8, 5)$; slope $\frac{3}{5}$

14) Point: $(9, 6)$; slope $-\frac{4}{3}$

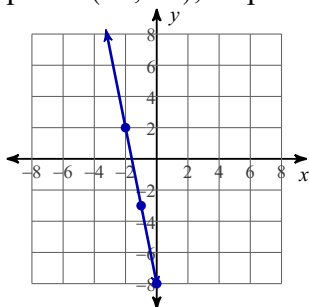
15) Point: $(\frac{1}{3}, -3)$; slope -3

16) Point: $(1, -7)$; slope $\frac{2}{7}$

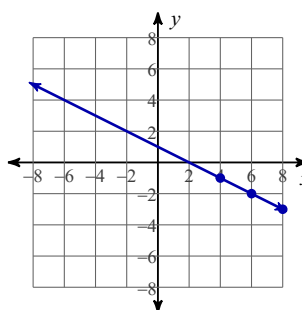
17) point: $(7, 3)$; slope $m = 2$



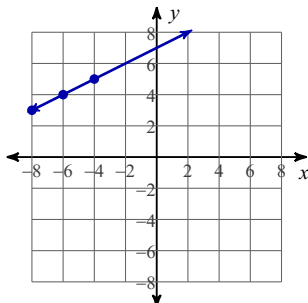
18) point: $(-1, -3)$; slope $m = -5$



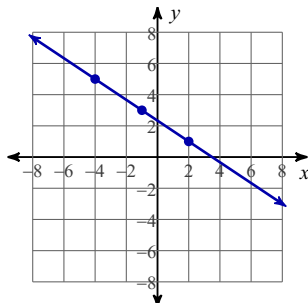
19) point: $(6, -2)$; slope $m = -\frac{1}{2}$



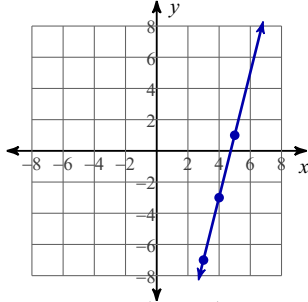
20) point: $(-8, 3)$; slope $m = \frac{1}{2}$



21) point: $(-4, 5)$; slope $m = -\frac{2}{3}$



22) point: $(3, -7)$; slope $m = 4$



23) $y + 2 = -\frac{2}{5}(x - 5)$ 24) $y - 2 = -4(x - 3)$

25) $y - 4 = -2(x + 3)$

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

27) $y + 5 = 6x$

28) $y - 4 = -\frac{1}{4}(x + 4)$