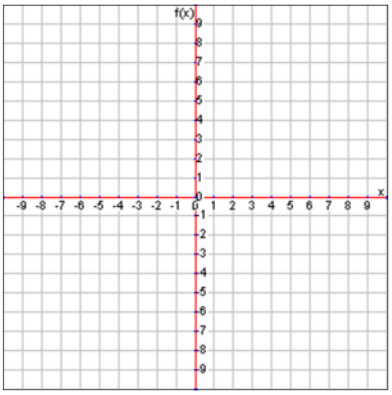
Lesson 6.1

Identify the slope as a fraction and the y-intercept of each equation. Then graph on the coordinate plane.

1. $y = 2x + 1$

Slope:

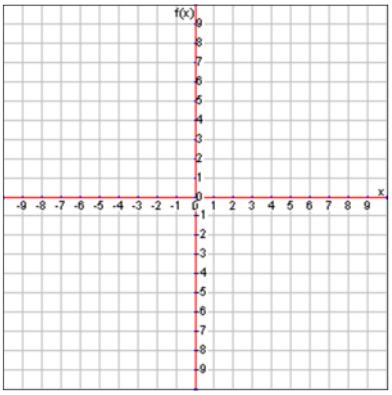
y-int:



2. $y = 3x - 4$

Slope:

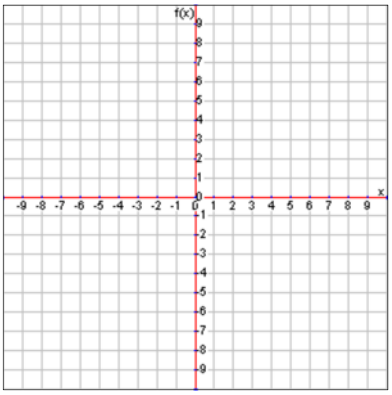
y-int:



3. $y = \frac{2}{3}x + 5$

Slope:

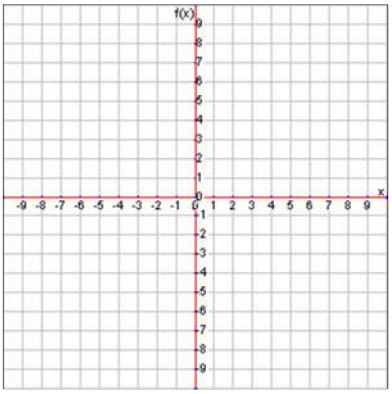
y-int:



4. $y = 7$

Slope:

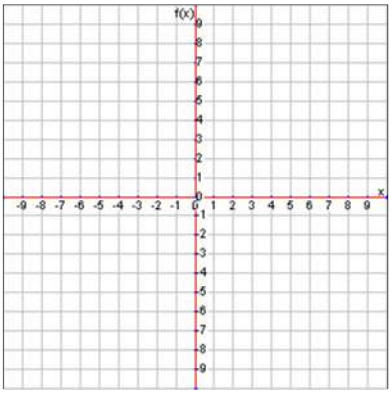
y-int:



5. $y = -3x - 2$

Slope:

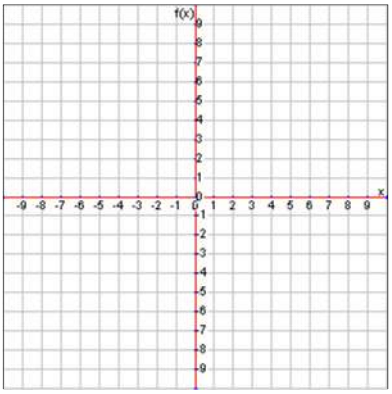
y-int:



6. $y = -\frac{1}{3}x + 5$

Slope:

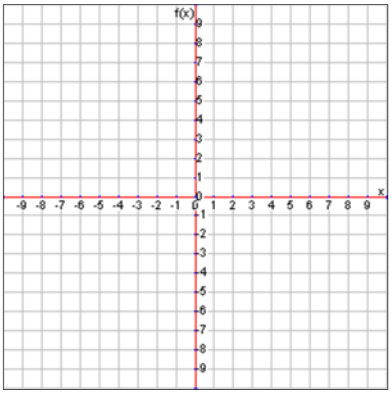
y-int:



7. $y = \frac{2}{5}x - 2$

Slope:

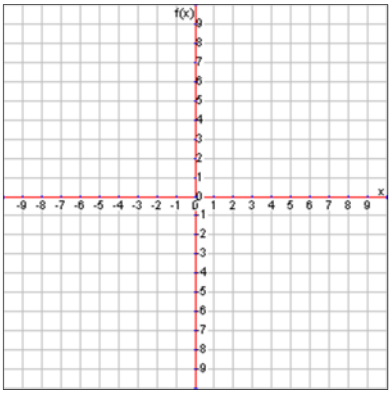
y-int:



8. $y = -\frac{3}{4}x - 1$

Slope:

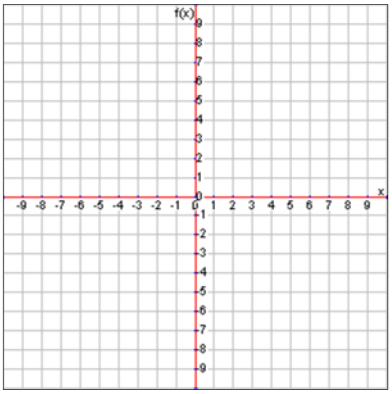
y-int:



9. $y = -4$

Slope:

y-int:

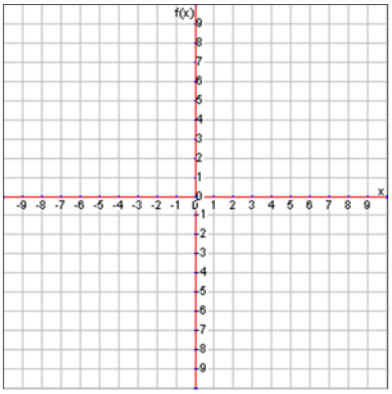


10. $x = 2$

Hint: This is not a function!

Slope:

y-int:

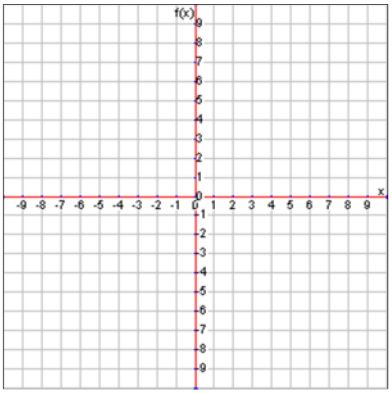


11. $x = -6$

Hint: This is not a function!

Slope:

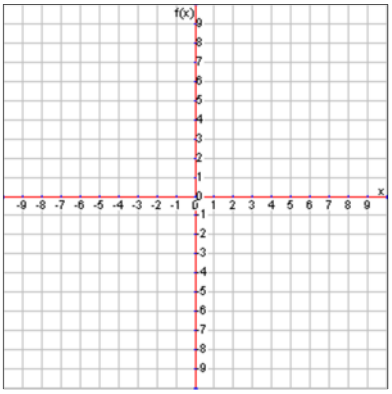
y-int:



12. $y = 4x - 5$

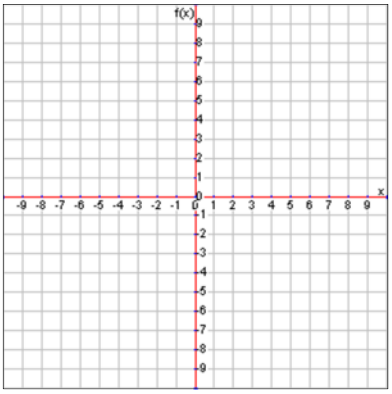
Slope:

y-int:

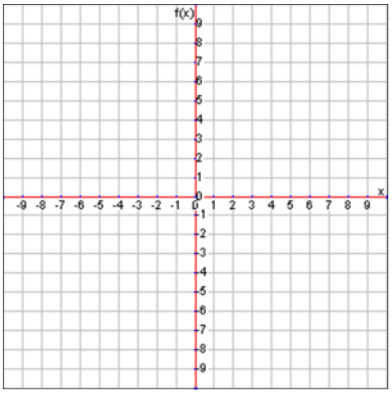


Put the following equations in slope-intercept form and then graph them on the coordinate plane.

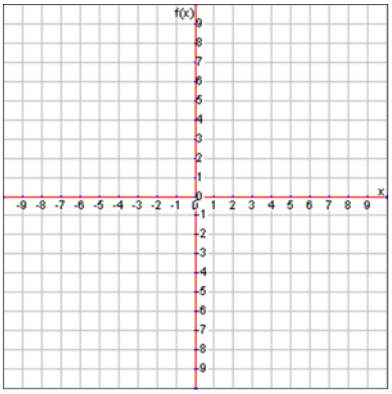
13. $2x + y = 2$



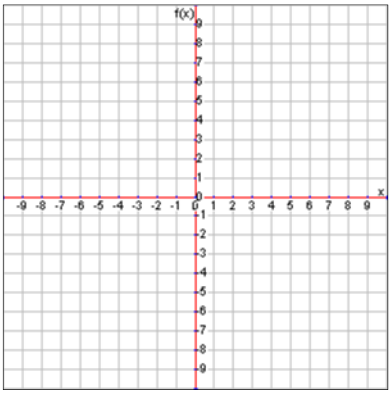
14. $-3x + y = 4$



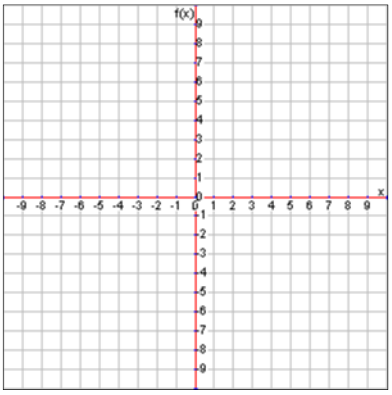
15. $4x + y = -5$



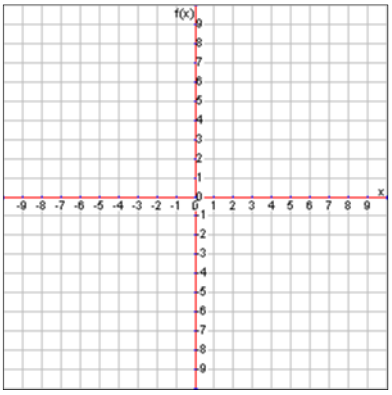
16. $4x + 2y = 6$



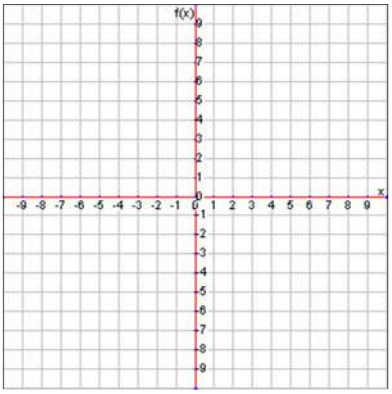
17. $-6x + 3y = -9$



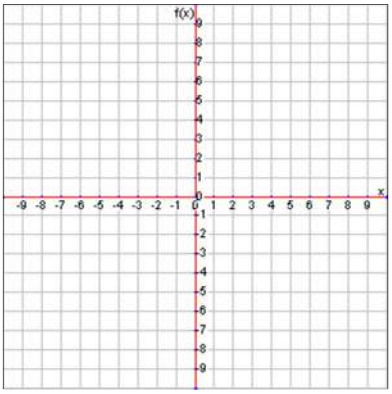
18. $x + 3y = 6$



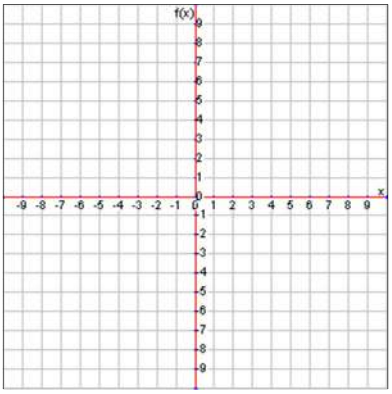
19. $-2x + 3y = 12$



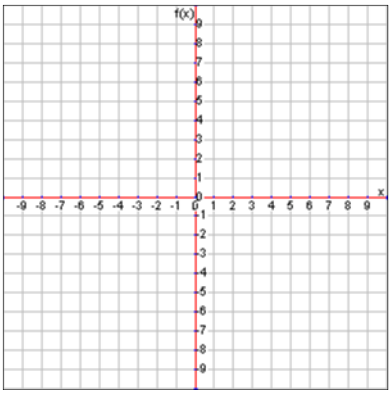
20. $4x - 2y = 8$



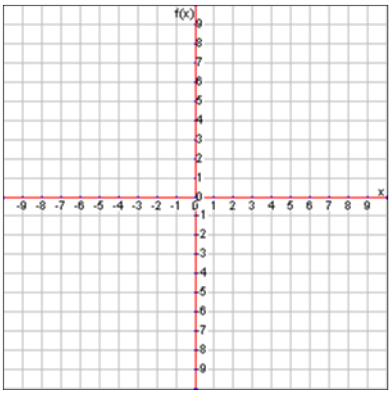
21. $-2x - 3y = -9$



22. $-2x + y = 4$



23. $6x + 2y = -8$



24. $2x - 3y = 9$