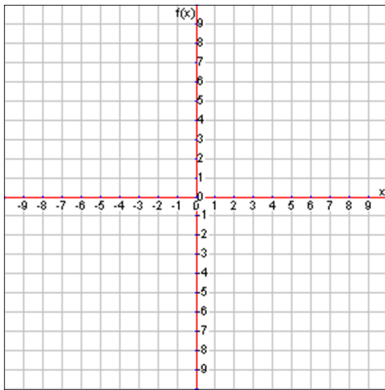## Lesson 6.1

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

1. $y = 2x + 1$
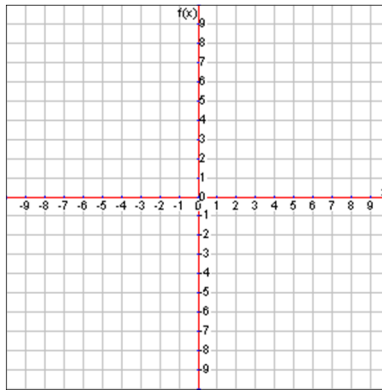
Slope:

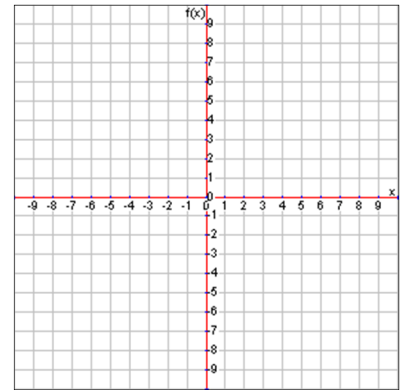y-int:

2. $y = 3x - 4$

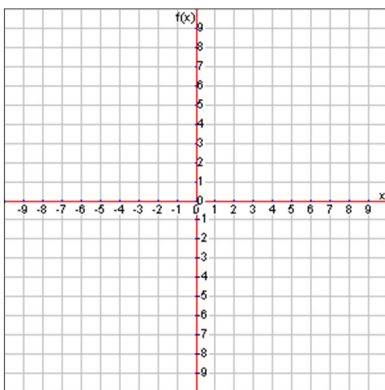Slope:

y-int:

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

Slope:

y-int:
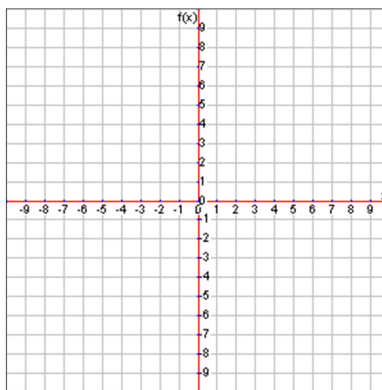

4. $y = 7$
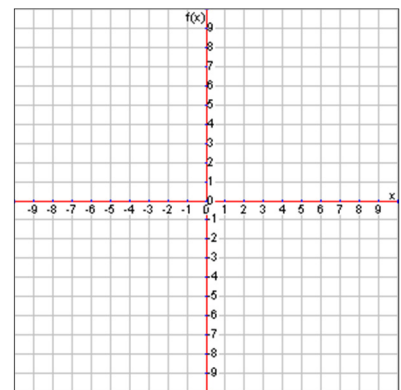
Slope:

y-int:

5. $y = -3x - 2$

Slope:

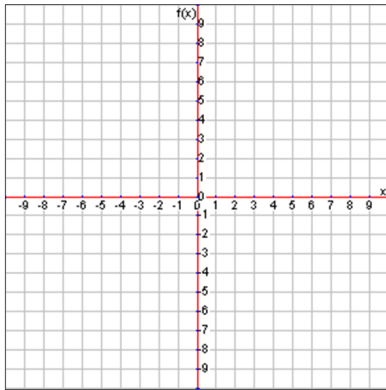y-int:

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

Slope:

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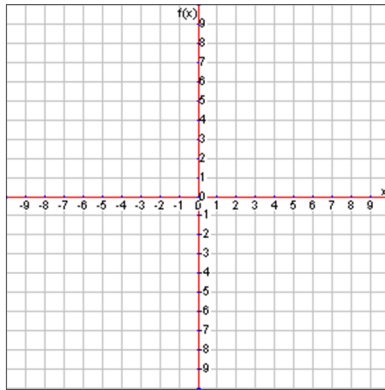
7. $y = \frac{2}{5}x - 2$

Slope:

y-int:

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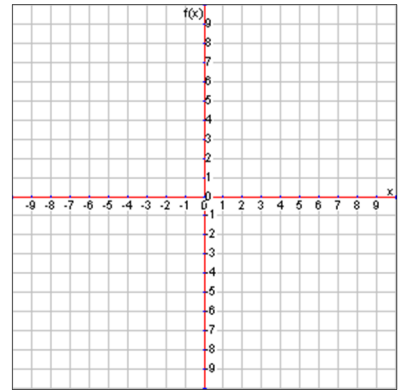
Slope:

y-int:
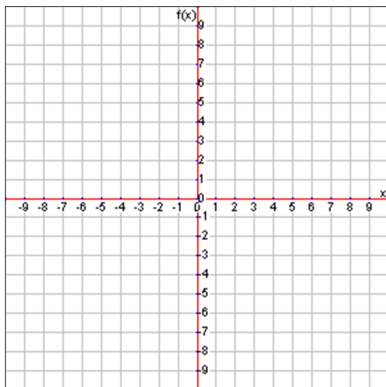
9. $y = -4$

Slope:

y-int:

10. $x = 2$
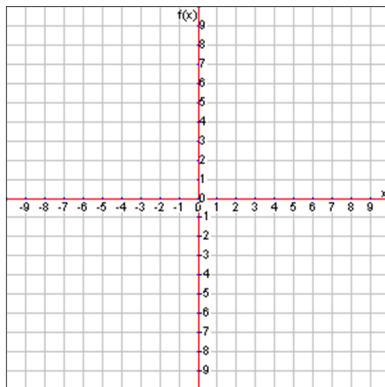*Hint: This is not a function!*
Slope:

y-int:

11. $x = -6$
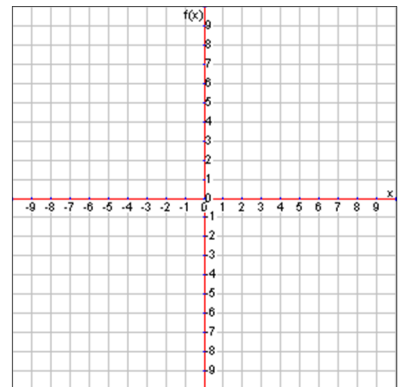*Hint: This is not a function!*
Slope:

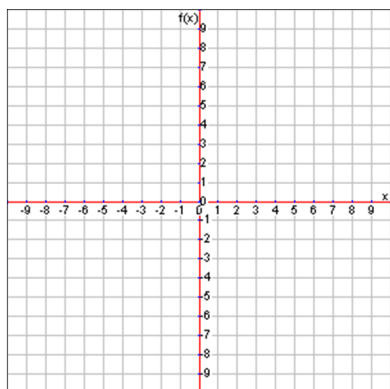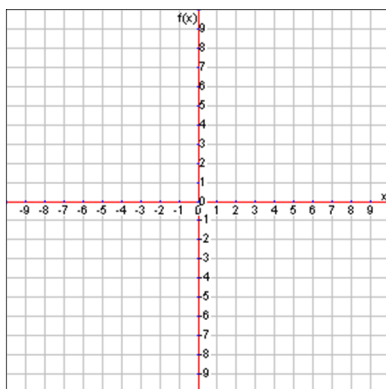y-int:

12. $y = 4x - 5$

Slope:

y-int:

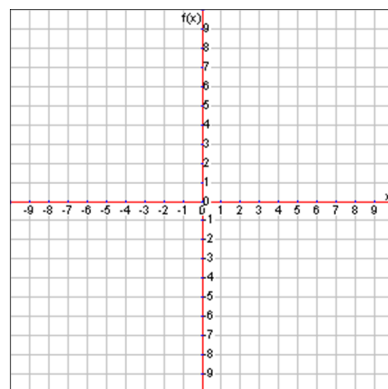*Put the following equations in slope-intercept form and then graph them on the coordinate plane.*
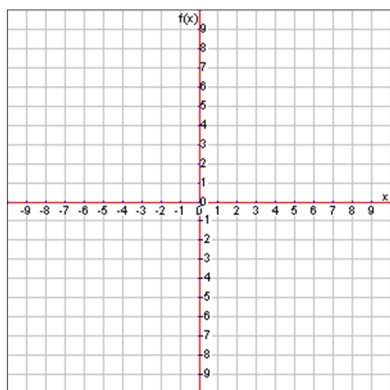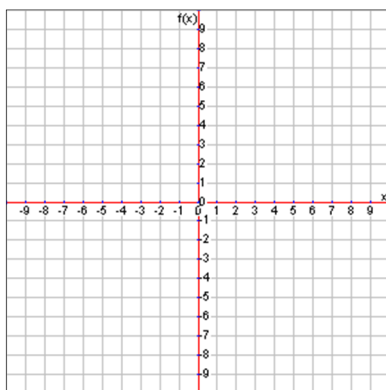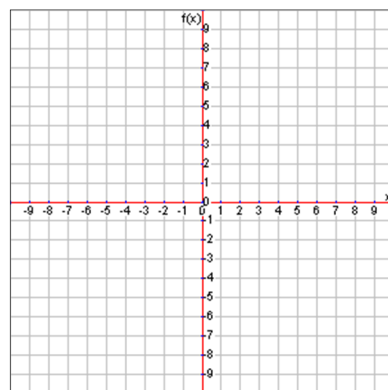
13. $2x + y = 2$
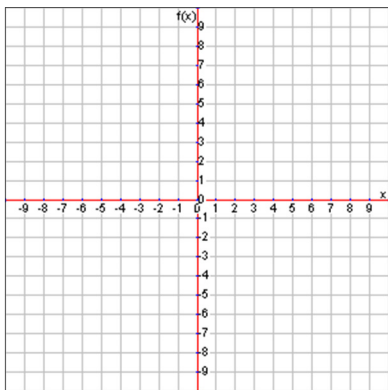
14. $-3x + y = 4$

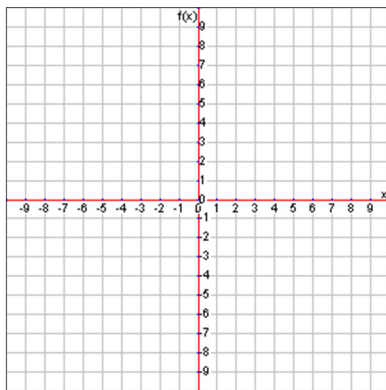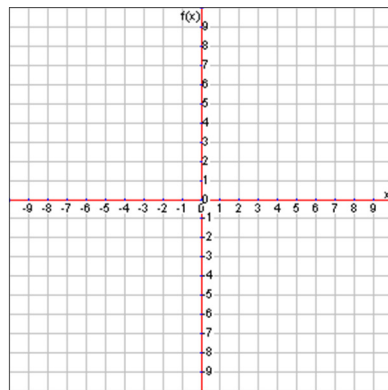15. $4x + y = -5$

16. $4x + 2y = 6$

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

18. $x + 3y = 6$

19. $-2x + 3y = 12$
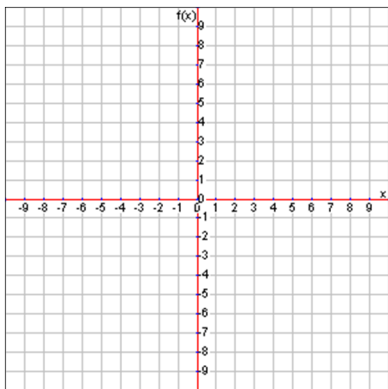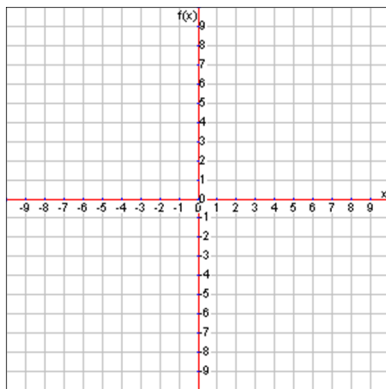
20. $4x - 2y = 8$

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

22. $-2x + y = 4$

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

24. $2x - 3y = 9$