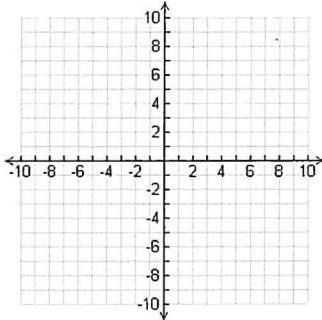# Graphing Linear Equations
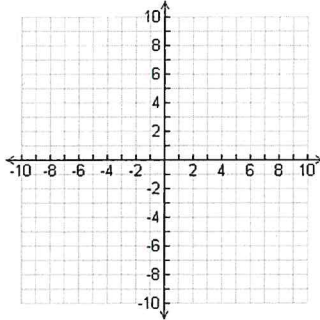## Unit 3: Introduction to Functions

Sketch the graph of each line.
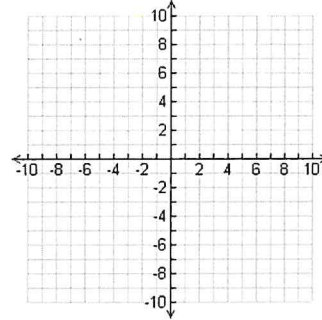
1. $x - intercept = -1,$
   $y - intercept = -5$

2. $x - intercept = 4,$
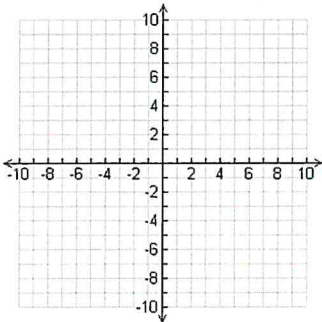 $y - intercept = -5$

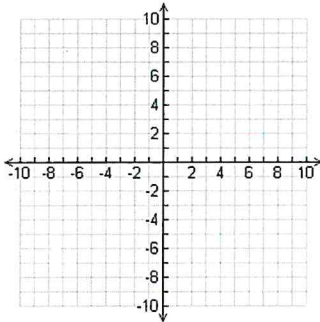3. $x - intercept = 1,$
   $y - intercept = 3$

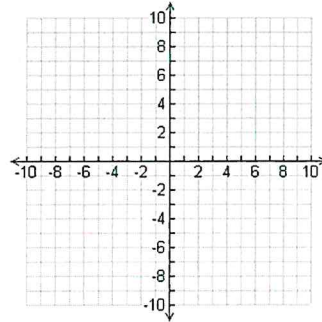**Sketch the graph of each line and identify the slope and the y-intercept of each line.**
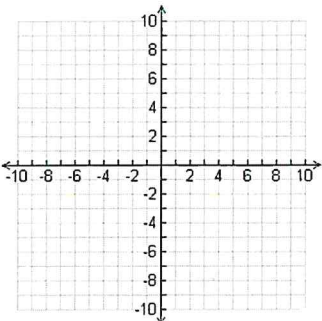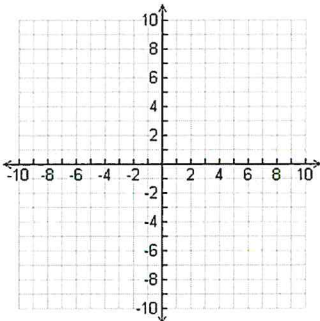
4. $y = -4x - 4$

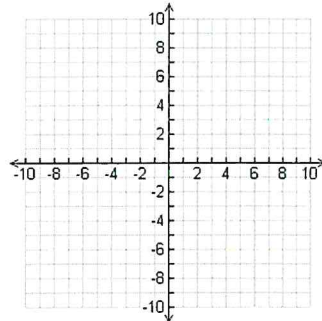5. $y = \frac{1}{4}x + 3$

6. $y = 2x + 1$

7. $y = -\frac{8}{3}x + 5$
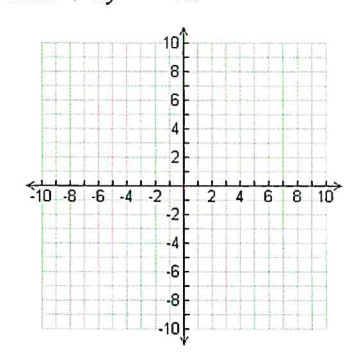
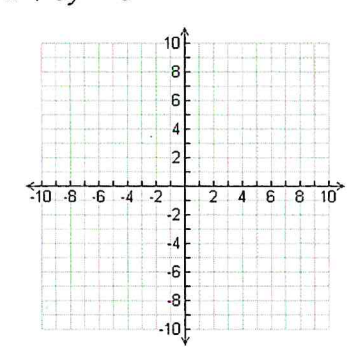8. $y = \frac{4}{5}x - 3$

9. $y = 2$

Identify the slope-intercept form of the given standard form equation and then sketch the graph of the function. Identify the slope and the y-intercept of each function.
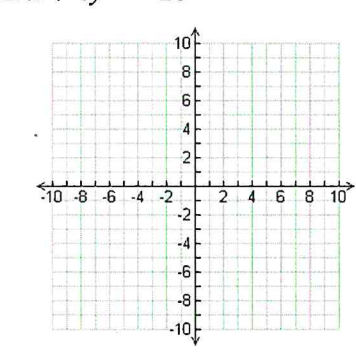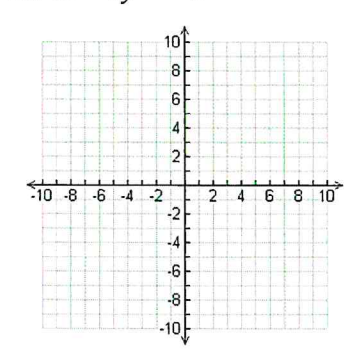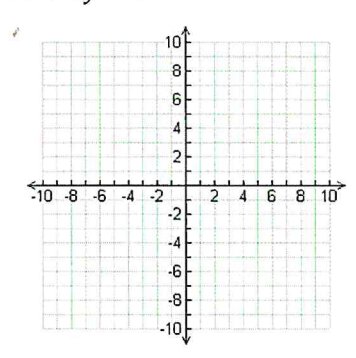
10. $x + 5y = -10$

11. $x + 3y = 6$
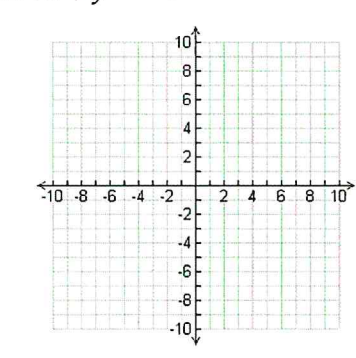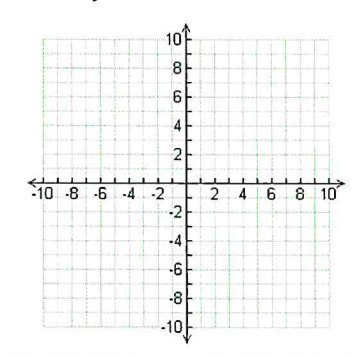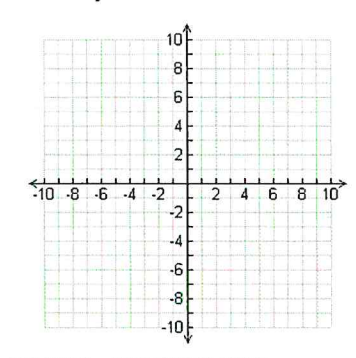
12. $x + 4y = -20$

13. $4x - 5y = -5$

14. $2x + 3y = 9$

15. $7x + y = -4$

16. $x + y = 3$

17. $2x - 3y = 12$

18. $3x + y = 1$