

Graphing Linear Functions and Inequalities

Graph each of the following functions by finding intercepts.

1. $3x - 2y = 6$

2. $-5x + 2y = 10$

3. $9x + 3y = 3$

Graph each of the following using the slope intercept method.

4. $y = -3x - 2$

5. $y = \frac{1}{2}x - 3$

6. $y = -x + 2$

7. $y = -\frac{4}{5}x - 2$

8. $y = 3$

9. $y = \frac{3}{5}x$

10. $y = x + 2$

11. $y = -\frac{1}{4}x + \frac{1}{2}$

12. $x = 3$

Graph each of the following inequalities.

13. $x > -2$

14. $y \leq 3x - 2$

15. $y > x + 2$

16. $y \geq 2$

17. $y < -\frac{4}{5}x - 2$

18. $y \geq \frac{2}{5}x$

19. $3x - 2y \geq 4$

20. $6x - 3y \leq 12$