

# Graphing Lines Review Worksheet

Solve the linear equation for  $y$ . Then, find the slope and  $y$ -intercept of the line with this equation. **You do not need to graph the line.**

1.  $-5x + y = 7$

2.  $-9x + y = 5$

3.  $x + y = 6$

4.  $6x + y = 0$

5.  $3y = 6x$

6.  $3y = -9x$

7.  $2x + 7y = 0$

8.  $3x + 2y = 6$

9.  $4x + 3y = 12$

10.  $3x - 4y = 12$

11.  $5x - 2y = 10$

Graph the following lines. For some of the lines you will have to convert the equation to slope intercept form or use intercepts.

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

13.  $y = -\frac{5}{4}x - 6$

14.  $y = \frac{1}{3}x + 2$

15.  $y = 2x + 1$

16.  $y = 3 - x$

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

18.  $y = 2$

19.  $x = -3$

20.  $x = 0$

21.  $3x + y = 0$

22.  $2x + y = 0$

23.  $3y = 4x$

24.  $3x - 2y = -2$

25.  $10 = x + 5y$

26.  $2y - 2x - 8$

27.  $2x + y = 3$

28.  $-3x + y = 4$

29.  $-7x + 2y = 14$

30.  $5x + 3y = 15$