

Graphing Worksheet 39

Exercises 1-8 are multiple choice. Choose the best answer.

1. Which of the following equations is in standard form?

(a) $y = \frac{2}{5}x + 3$ (b) $\frac{2}{5}x + y = 3$ (c) $-2x + 5y = 15$ (d) $2x - 5y = -13$

2. Which of the following equations is in standard form?

(a) $-4x - 6y = -16$ (b) $-2x - 3y = -8$ (c) $2x + 3y = 8$ (d) $4x + 6y = 16$

3. Which of the following equations is in standard form?

(a) $\frac{1}{2}x + \frac{3}{2}y = 5$ (b) $1x + 3y = 10$ (c) $-1x - 3y = -10$ (d) $-\frac{1}{2}x - \frac{3}{2}y = -10$

4. Which of the following equations is in standard form?

(a) $10x - 2y = -12$ (b) $-10x + 2y = 12$ (c) $-5x + y = 6$ (d) $5x - y = -6$

5. Which of the following equations is the standard form equivalent of $y = -\frac{2}{3}x - 5$?

(a) $-2x - 3y = 15$ (b) $2x + 3y = -15$ (c) $-3x + 2y = -10$ (d) $3x - 2y = -10$

6. Which of the following equations is the standard form equivalent of $y = \frac{9}{4}x - 1$?

(a) $-9x + 4y = -4$ (b) $9x - 4y = 4$ (c) $-4x + 9y = -4$ (d) $4x - 9y = -4$

7. Which of the following equations is the standard form equivalent of $y = -\frac{7}{14}x + 9$?

(a) $7x + 14y = 126$ (b) $14x + 7y = 126$ (c) $x + 2y = 18$ (d) $2x + y = 18$

8. Which of the following equations is the standard form equivalent of $y = \frac{8}{6}x + 6$?

(a) $-4x + 3y = 18$ (b) $4x - 3y = -18$ (c) $-8x + 6y = 36$ (d) $8x - 6y = -36$

For exercises 9-20, change each equation into standard form.

9. $\frac{1}{2}x + \frac{5}{2}y = 6$

10. $-3x + 5y = -10$

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

12. $y = x + 7$

13. $y = \frac{9}{5}x + 9$

14. $y = -\frac{2}{7}x + 10$

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

16. $y = \frac{5}{10}x + 7$

17. $y = -\frac{10}{9}x - 2$

18. $y = -\frac{7}{8}x + 8$

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

20. $y = 3x - 9$