

Write slope-intercept form from standard form

Name: _____

Worksheet

Date: _____ Period: _____

1. Write the linear equation in slope-intercept form and simplify.

$$8x - 4y = -20$$

2. Write the linear equation in slope-intercept form and simplify.

$$12x - 2y = -12$$

3. Write the linear equation in slope-intercept form and simplify.

$$-36x + 6y = 36$$

4. Write the linear equation in slope-intercept form and simplify.

$$-24x - 6y = 18$$

5. Write the linear equation in slope-intercept form and simplify.

$$2x - y = 4$$

6. Write the linear equation in slope-intercept form and simplify.

$$\frac{4}{5}x - \frac{2}{5}y = -1$$

7. Write the linear equation in slope-intercept form and simplify.

$$\frac{3}{5}x + \frac{1}{4}y = 0$$

8. Write the linear equation in slope-intercept form and simplify.

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

9. Write the linear equation in slope-intercept form and simplify.

$$-\frac{3}{4}x + \frac{1}{4}y = -2$$

10. Write the linear equation in slope-intercept form and simplify.

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

11. Write the linear equation in slope-intercept form and simplify.

$$-19x - 4y = -8$$

12. Write the linear equation in slope-intercept form and simplify.

$$-11x - 4y = -16$$

13. Write the linear equation in slope-intercept form and simplify.

$$-14x + 3y = 21$$

14. Write the linear equation in slope-intercept form and simplify.

$$5x + 3y = 21$$

15. Write the linear equation in slope-intercept form and simplify.

$$-7x + 5y = -20$$

16. Write the linear equation in slope-intercept form and simplify.

$$12x + 18y = -12$$

17. Write the linear equation in slope-intercept form and simplify.

$$9x + 18y = 1$$

18. Write the linear equation in slope-intercept form and simplify.

$$x - 2y = 15$$

19. Write the linear equation in slope-intercept form and simplify.

$$-13x + 19y = 9$$

20. Write the linear equation in slope-intercept form and simplify.

$$20x - 18y = -12$$

Write standard form from slope-intercept form

Name: _____

Worksheet

Date: _____ Period: _____

1. Write the linear equation in standard form.

$$y = \frac{15}{13}x + \frac{8}{13}$$

2. Write the linear equation in standard form.

$$y = \frac{10}{9}x + \frac{17}{18}$$

3. Write the linear equation in standard form.

$$y = -\frac{1}{8}x - \frac{19}{8}$$

4. Write the linear equation in standard form.

$$y = \frac{5}{4}x - \frac{5}{8}$$

5. Write the linear equation in standard form.

$$y = \frac{2}{9}x - \frac{1}{9}$$

6. Write the linear equation in standard form.

$$y = \frac{1}{2}x - \frac{7}{18}$$

7. Write the linear equation in standard form.

$$y = \frac{10}{7}x - \frac{16}{7}$$

8. Write the linear equation in standard form.

$$y = -x + 14$$

9. Write the linear equation in standard form.

$$y = -13x + 6$$

10. Write the linear equation in standard form.

$$y = -16x + 8$$

11. Write the linear equation in standard form.

$$y = -7x + 14$$

12. Write the linear equation in standard form.

$$y = x - 17$$

13. Write the linear equation in standard form.

$$y = 12x + 4$$

14. Write the linear equation in standard form.

$$y = 18x - 7$$

15. Write the linear equation in standard form.

$$y = -\frac{8}{15}x - 17$$

16. Write the linear equation in standard form.

$$y = \frac{12}{17}x + 7$$

17. Write the linear equation in standard form.

$$y = -\frac{7}{13}x - 20$$

18. Write the linear equation in standard form.

$$y = \frac{14}{17}x$$

19. Write the linear equation in standard form.

$$y = \frac{16}{15}x + 5$$

20. Write the linear equation in standard form.

$$y = \frac{8}{15}x + 8$$

Write slope-intercept form from standard form**Answer key**

1. Write the linear equation in slope-intercept form and simplify.

$$8x - 4y = -20$$

$$y = 2x + 5$$

3. Write the linear equation in slope-intercept form and simplify.

$$-36x + 6y = 36$$

$$y = 6x + 6$$

5. Write the linear equation in slope-intercept form and simplify.

$$2x - y = 4$$

$$y = 2x - 4$$

7. Write the linear equation in slope-intercept form and simplify.

$$\frac{3}{5}x + \frac{1}{4}y = 0$$

$$y = -\frac{12}{5}x$$

9. Write the linear equation in slope-intercept form and simplify.

$$-\frac{3}{4}x + \frac{1}{4}y = -2$$

$$y = 3x - 8$$

11. Write the linear equation in slope-intercept form and simplify.

$$-19x - 4y = -8$$

$$y = -\frac{19}{4}x + 2$$

2. Write the linear equation in slope-intercept form and simplify.

$$12x - 2y = -12$$

$$y = 6x + 6$$

4. Write the linear equation in slope-intercept form and simplify.

$$-24x - 6y = 18$$

$$y = -4x - 3$$

6. Write the linear equation in slope-intercept form and simplify.

$$\frac{4}{5}x - \frac{2}{5}y = -1$$

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

8. Write the linear equation in slope-intercept form and simplify.

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

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

10. Write the linear equation in slope-intercept form and simplify.

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

$$y = 3x - 5$$

12. Write the linear equation in slope-intercept form and simplify.

$$-11x - 4y = -16$$

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

13. Write the linear equation in slope-intercept form and simplify.

$$-14x + 3y = 21$$

$$y = \frac{14}{3}x + 7$$

15. Write the linear equation in slope-intercept form and simplify.

$$-7x + 5y = -20$$

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

17. Write the linear equation in slope-intercept form and simplify.

$$9x + 18y = 1$$

$$y = -\frac{1}{2}x + \frac{1}{18}$$

19. Write the linear equation in slope-intercept form and simplify.

$$-13x + 19y = 9$$

$$y = \frac{13}{19}x + \frac{9}{19}$$

14. Write the linear equation in slope-intercept form and simplify.

$$5x + 3y = 21$$

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

16. Write the linear equation in slope-intercept form and simplify.

$$12x + 18y = -12$$

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

18. Write the linear equation in slope-intercept form and simplify.

$$x - 2y = 15$$

$$y = \frac{1}{2}x - \frac{15}{2}$$

20. Write the linear equation in slope-intercept form and simplify.

$$20x - 18y = -12$$

$$y = \frac{10}{9}x + \frac{2}{3}$$

Write standard form from slope-intercept form**Answer key**

1. Write the linear equation in standard form.

$$y = \frac{15}{13}x + \frac{8}{13}$$

$$15x - 13y = -8$$

3. Write the linear equation in standard form.

$$y = -\frac{1}{8}x - \frac{19}{8}$$

$$x + 8y = -19$$

5. Write the linear equation in standard form.

$$y = \frac{2}{9}x - \frac{1}{9}$$

$$2x - 9y = 1$$

7. Write the linear equation in standard form.

$$y = \frac{10}{7}x - \frac{16}{7}$$

$$10x - 7y = 16$$

9. Write the linear equation in standard form.

$$y = -13x + 6$$

$$13x + y = 6$$

11. Write the linear equation in standard form.

$$y = -7x + 14$$

$$7x + y = 14$$

13. Write the linear equation in standard form.

$$y = 12x + 4$$

$$12x - y = -4$$

2. Write the linear equation in standard form.

$$y = \frac{10}{9}x + \frac{17}{18}$$

$$20x - 18y = -17$$

4. Write the linear equation in standard form.

$$y = \frac{5}{4}x - \frac{5}{8}$$

$$10x - 8y = 5$$

6. Write the linear equation in standard form.

$$y = \frac{1}{2}x - \frac{7}{18}$$

$$9x - 18y = 7$$

8. Write the linear equation in standard form.

$$y = -x + 14$$

$$x + y = 14$$

10. Write the linear equation in standard form.

$$y = -16x + 8$$

$$16x + y = 8$$

12. Write the linear equation in standard form.

$$y = x - 17$$

$$x - y = 17$$

14. Write the linear equation in standard form.

$$y = 18x - 7$$

$$18x - y = 7$$

15. Write the linear equation in standard form.

$$y = -\frac{8}{15}x - 17$$

$$8x + 15y = -255$$

17. Write the linear equation in standard form.

$$y = -\frac{7}{13}x - 20$$

$$7x + 13y = -260$$

19. Write the linear equation in standard form.

$$y = \frac{16}{15}x + 5$$

$$16x - 15y = -75$$

16. Write the linear equation in standard form.

$$y = \frac{12}{17}x + 7$$

$$12x - 17y = -119$$

18. Write the linear equation in standard form.

$$y = \frac{14}{17}x$$

$$14x - 17y = 0$$

20. Write the linear equation in standard form.

$$y = \frac{8}{15}x + 8$$

$$8x - 15y = -120$$