

## Standard Form to Slope-Intercept Form

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**Write the slope-intercept form of the equation of each line.**

1)  $3x + 4y = 8$

2)  $15x + 8y = 56$

3)  $10x + 3y = 2$

4)  $11x + y = -5$

5)  $16x + 9y = 40$

6)  $13x + 5y = -40$

7)  $3x - y = 3$

8)  $y = 2$

9)  $9x + 5y = 35$

10)  $10x - 7y = -35$

11)  $x - 6y = -12$

12)  $5x + y = 7$

13)  $x = 4$

14)  $4x + 7y = -7$

15)  $11x + 6y = -48$

16)  $y = 6$

17)  $8x + 3y = -15$

18)  $x - 4y = 12$

19)  $4x + y = 5$

20)  $x + 7y = -7$

21)  $16x + 5y = -40$

22)  $x + y = 7$

23)  $2x - 3y = -6$

24)  $3x + 2y = 8$

25)  $11x + 7y = -56$

26)  $3x + 2y = 4$

27)  $11x - 4y = -24$

28)  $x - 8y = 40$

29)  $11x + 4y = 10$

30)  $12x - 5y = -44$

## Answers to Standard Form to Slope-Intercept Form

- |  |  |                                       |                             |
|--|--|---------------------------------------|-----------------------------|
| 1) $y = -\frac{3}{4}x + 2$             | 2) $y = -\frac{15}{8}x + 7$            | 3) $y = -\frac{10}{3}x + \frac{2}{3}$ | 4) $y = -11x - 5$           |
| 5) $y = -\frac{16}{9}x + \frac{40}{9}$ | 6) $y = -\frac{13}{5}x - 8$            | 7) $y = 3x - 3$                       | 8) $y = 2$                  |
| 9) $y = -\frac{9}{5}x + 7$             | 10) $y = \frac{10}{7}x + 5$            | 11) $y = \frac{1}{6}x + 2$            | 12) $y = -5x + 7$           |
| 13) $x = 4$                            | 14) $y = -\frac{4}{7}x - 1$            | 15) $y = -\frac{11}{6}x - 8$          | 16) $y = 6$                 |
| 17) $y = -\frac{8}{3}x - 5$            | 18) $y = \frac{1}{4}x - 3$             | 19) $y = -4x + 5$                     | 20) $y = -\frac{1}{7}x - 1$ |
| 21) $y = -\frac{16}{5}x - 8$           | 22) $y = -x + 7$                       | 23) $y = \frac{2}{3}x + 2$            | 24) $y = -\frac{3}{2}x + 4$ |
| 25) $y = -\frac{11}{7}x - 8$           | 26) $y = -\frac{3}{2}x + 2$            | 27) $y = \frac{11}{4}x + 6$           | 28) $y = \frac{1}{8}x - 5$  |
| 29) $y = -\frac{11}{4}x + \frac{5}{2}$ | 30) $y = \frac{12}{5}x + \frac{44}{5}$ |                                       |                             |