



Calculating Slope

Name: _____

Find the slope.

Ex) $-2x + y = + 3$

$y = 2x + 3$

Ex) $-9x + 5y = - 10$

$5y = 9x - 10$

$y = \frac{9}{5}x - 2$

Answers $\frac{2}{1}$ $\frac{9}{5}$

1) $-1x - y = - 3$

2) $9x + y = - 6$

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

3) $-2x - y = + 5$

4) $4x + 7y = - 63$

5) $-6x - y = + 3$

6) $8x - 6y = - 48$

7) $-1x + 7y = - 14$

8) $-3x + y = + 9$

9) $-3x + y = - 7$

10) $8x + 7y = - 35$

11) $3x - 6y = - 36$

12) $6x - 5y = - 20$

13) $-5x + y = + 1$

14) $2x + 4y = 16$

1-10	93	86	79	71	64	57	50	43	36	29
11-14	21	14	7	0						



Calculating Slope

Name: **Answer Key****Find the slope.**

Ex) $-2x + y = +3$

$y = 2x + 3$

Ex) $-9x + 5y = -10$

$5y = 9x - 10$

$y = \frac{9}{5}x - 2$

Answers $\frac{2}{1}$ $\frac{9}{5}$ $\frac{-1}{1}$ $\frac{-9}{1}$ $\frac{-2}{1}$ $\frac{-4}{7}$ $\frac{-6}{1}$ $\frac{8}{6}$ $\frac{1}{7}$ $\frac{3}{1}$ $\frac{3}{1}$ $\frac{-8}{7}$ $\frac{3}{6}$ $\frac{6}{5}$ $\frac{5}{1}$ $\frac{-2}{4}$

1) $-1x - y = -3$

$-y = 1x - 3$

$y = -1x + 3$

2) $9x + y = -6$

$y = -9x - 6$

3) $-2x - y = +5$

$-y = 2x + 5$

$y = -2x - 5$

4) $4x + 7y = -63$

$7y = -4x - 63$

$y = -\frac{4}{7}x - 9$

5) $-6x - y = +3$

$-y = 6x + 3$

$y = -6x - 3$

6) $8x - 6y = -48$

$-6y = -8x - 48$

$y = \frac{8}{6}x + 8$

7) $-1x + 7y = -14$

$7y = 1x - 14$

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

8) $-3x + y = +9$

$y = 3x + 9$

9) $-3x + y = -7$

$y = 3x - 7$

10) $8x + 7y = -35$

$7y = -8x - 35$

$y = -\frac{8}{7}x - 5$

11) $3x - 6y = -36$

$-6y = -3x - 36$

$y = \frac{3}{6}x + 6$

12) $6x - 5y = -20$

$-5y = -6x - 20$

$y = \frac{6}{5}x + 4$

13) $-5x + y = +1$

$y = 5x + 1$

14) $2x + 4y = 16$

$4y = -2x + 16$

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