



Calculating Slope

Name: _____

Find the slope.

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

Ex) $9x - 7y = -56$
 $-7y = -9x - 56$
 $y = \frac{9}{7}x + 8$

Answers

Ex. $\frac{5}{3}$

Ex. $\frac{9}{7}$

1) $2x - 4y = -12$

2) $4x + y = +7$

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

3) $-3x + y = +4$

4) $2x - y = +8$

5) $-1x + 3y = 18$

6) $8x - 6y = 48$

7) $-1x - 9y = -45$

8) $4x - 4y = 4$

9) $-2x - 6y = 12$

10) $-8x - 9y = -36$

11) $-3x - y = +7$

12) $-4x + y = +1$

13) $-5x - 2y = 16$

14) $7x - 8y = 16$

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

Ex) $9x - 7y = -56$
 $-7y = -9x - 56$
 $y = \frac{9}{7}x + 8$

1) $2x - 4y = -12$
 $-4y = -2x - 12$
 $y = \frac{2}{4}x + 3$

2) $4x + y = +7$
 $y = -4x + 7$

3) $-3x + y = +4$
 $y = 3x + 4$

4) $2x - y = +8$
 $-y = -2x + 8$
 $y = 2x - 8$

5) $-1x + 3y = 18$
 $3y = 1x + 18$
 $y = \frac{1}{3}x + 6$

6) $8x - 6y = 48$
 $-6y = -8x + 48$
 $y = \frac{8}{6}x - 8$

7) $-1x - 9y = -45$
 $-9y = 1x - 45$
 $y = -\frac{1}{9}x + 5$

8) $4x - 4y = 4$
 $-4y = -4x + 4$
 $y = \frac{4}{4}x - 1$

9) $-2x - 6y = 12$
 $-6y = 2x + 12$
 $y = -\frac{2}{6}x - 2$

10) $-8x - 9y = -36$
 $-9y = 8x - 36$
 $y = -\frac{8}{9}x + 4$

11) $-3x - y = +7$
 $-y = 3x + 7$
 $y = -3x - 7$

12) $-4x + y = +1$
 $y = 4x + 1$

13) $-5x - 2y = 16$
 $-2y = 5x + 16$
 $y = -\frac{5}{2}x - 8$

14) $7x - 8y = 16$
 $-8y = -7x + 16$
 $y = \frac{7}{8}x - 2$

Answers**5/3****9/7****2/4****-4/1****3/1****2/1****1/3****8/6****-1/9****4/4****-2/6****-8/9****-3/1****4/1****-5/2****7/8**