



## Calculating Slope

Name: \_\_\_\_\_

Find the slope.

**Ex)**  $8x - 2y = -10$   
 $-2y = -8x - 10$   
 $y = \frac{8}{2}x + 5$

**Ex)**  $9x + y = -7$   
 $y = -9x - 7$

Answers

Ex.  $\frac{8}{2}$

Ex.  $\frac{-9}{1}$

1)  $4x + y = -4$

2)  $3x + y = +3$

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_

11. \_\_\_\_\_

12. \_\_\_\_\_

13. \_\_\_\_\_

14. \_\_\_\_\_

3)  $2x - 6y = 24$

4)  $-1x - 8y = -16$

5)  $-8x + 8y = 64$

6)  $1x + 5y = -35$

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

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

9)  $1x + y = -5$

10)  $3x - y = +1$

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

12)  $4x + 8y = -32$

13)  $-6x + 8y = 24$

14)  $-2x - y = +5$



## Calculating Slope

Name: **Answer Key**

Find the slope.

**Ex)**  $8x - 2y = -10$   
 $-2y = -8x - 10$   
 $y = \frac{8}{2}x + 5$

**Ex)**  $9x + y = -7$   
 $y = -9x - 7$

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

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

**3)**  $2x - 6y = 24$   
 $-6y = -2x + 24$   
 $y = \frac{2}{6}x - 4$

**4)**  $-1x - 8y = -16$   
 $-8y = 1x - 16$   
 $y = -\frac{1}{8}x + 2$

**5)**  $-8x + 8y = 64$   
 $8y = 8x + 64$   
 $y = \frac{8}{8}x + 8$

**6)**  $1x + 5y = -35$   
 $5y = -1x - 35$   
 $y = -\frac{1}{5}x - 7$

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

**8)**  $8x - 3y = -9$   
 $-3y = -8x - 9$   
 $y = \frac{8}{3}x + 3$

**9)**  $1x + y = -5$   
 $y = -1x - 5$

**10)**  $3x - y = +1$   
 $-y = -3x + 1$   
 $y = 3x - 1$

**11)**  $-7x - 7y = 56$   
 $-7y = 7x + 56$   
 $y = -\frac{7}{7}x - 8$

**12)**  $4x + 8y = -32$   
 $8y = -4x - 32$   
 $y = -\frac{4}{8}x - 4$

**13)**  $-6x + 8y = 24$   
 $8y = 6x + 24$   
 $y = \frac{6}{8}x + 3$

**14)**  $-2x - y = +5$   
 $-y = 2x + 5$   
 $y = -2x - 5$

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