



## Calculating Slope

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

Find the slope.

**Ex)**  $7x + y = -5$   
 $y = -7x - 5$

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

**1)**  $4x + y = -8$

**2)**  $-3x + 2y = 12$

**3)**  $1x + 8y = -8$

**4)**  $2x + 4y = 36$

**5)**  $-8x + y = +3$

**6)**  $-4x - y = -1$

**7)**  $-1x + 4y = 20$

**8)**  $-4x - 3y = -27$

**9)**  $-1x + y = -2$

**10)**  $-1x + y = -5$

**11)**  $4x - 4y = 28$

**12)**  $-8x - 7y = 63$

**13)**  $-5x + 7y = -28$

**14)**  $-9x + 7y = -14$

Answers $\frac{-7}{1}$  $\frac{9}{7}$ 

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

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

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

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

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

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

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

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

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

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

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

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

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

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



## Calculating Slope

Name: **Answer Key**

Find the slope.

**Ex)**  $7x + y = -5$   
 $y = -7x - 5$

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

**1)**  $4x + y = -8$   
 $y = -4x - 8$

**2)**  $-3x + 2y = 12$   
 $2y = 3x + 12$   
 $y = \frac{3}{2}x + 6$

**3)**  $1x + 8y = -8$   
 $8y = -1x - 8$   
 $y = -\frac{1}{8}x - 1$

**4)**  $2x + 4y = 36$   
 $4y = -2x + 36$   
 $y = -\frac{2}{4}x + 9$

**5)**  $-8x + y = +3$   
 $y = 8x + 3$

**6)**  $-4x - y = -1$   
 $-y = 4x - 1$   
 $y = -4x + 1$

**7)**  $-1x + 4y = 20$   
 $4y = 1x + 20$   
 $y = \frac{1}{4}x + 5$

**8)**  $-4x - 3y = -27$   
 $-3y = 4x - 27$   
 $y = -\frac{4}{3}x + 9$

**9)**  $-1x + y = -2$   
 $y = 1x - 2$

**10)**  $-1x + y = -5$   
 $y = 1x - 5$

**11)**  $4x - 4y = 28$   
 $-4y = -4x + 28$   
 $y = \frac{4}{4}x - 7$

**12)**  $-8x - 7y = 63$   
 $-7y = 8x + 63$   
 $y = -\frac{8}{7}x - 9$

**13)**  $-5x + 7y = -28$   
 $7y = 5x - 28$   
 $y = \frac{5}{7}x - 4$

**14)**  $-9x + 7y = -14$   
 $7y = 9x - 14$   
 $y = \frac{9}{7}x - 2$

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