



## Calculating Slope

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

Find the slope.

Ex)  $-4x - 9y = 45$

$$-9y = 4x + 45$$

$$y = \frac{4}{9}x - 5$$

Ex)  $-7x + 7y = 21$

$$7y = 7x + 21$$

$$y = x + 3$$

1)  $6x + 3y = -24$

2)  $-3x - y = +9$

3)  $4x + 5y = 5$

4)  $2x - 7y = 63$

5)  $-6x - y = +9$

6)  $-9x + 6y = 54$

7)  $4x - 8y = 8$

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

9)  $-1x + y = -6$

10)  $-2x + y = -7$

11)  $-2x + y = -9$

12)  $9x + y = +7$

13)  $-2x - 2y = -8$

14)  $-5x - y = +7$

Answers $\frac{-4}{9}$  $\frac{7}{7}$ 

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

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

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

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

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

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

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

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

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

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

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

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

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

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



## Calculating Slope

Name: **Answer Key**

Find the slope.

**Ex)**  $-4x - 9y = 45$   
 $-9y = 4x + 45$   
 $y = -\frac{4}{9}x - 5$

**Ex)**  $-7x + 7y = 21$   
 $7y = 7x + 21$   
 $y = x + 3$

**1)**  $6x + 3y = -24$   
 $3y = -6x - 24$   
 $y = -2x - 8$

**2)**  $-3x - y = +9$   
 $-y = 3x + 9$   
 $y = -3x - 9$

**3)**  $4x + 5y = 5$   
 $5y = -4x + 5$   
 $y = -\frac{4}{5}x + 1$

**4)**  $2x - 7y = 63$   
 $-7y = -2x + 63$   
 $y = \frac{2}{7}x - 9$

**5)**  $-6x - y = +9$   
 $-y = 6x + 9$   
 $y = -6x - 9$

**6)**  $-9x + 6y = 54$   
 $6y = 9x + 54$   
 $y = \frac{9}{6}x + 9$

**7)**  $4x - 8y = 8$   
 $-8y = -4x + 8$   
 $y = \frac{4}{8}x - 1$

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

**9)**  $-1x + y = -6$   
 $y = 1x - 6$

**10)**  $-2x + y = -7$   
 $y = 2x - 7$

**11)**  $-2x + y = -9$   
 $y = 2x - 9$

**12)**  $9x + y = +7$   
 $y = -9x + 7$

**13)**  $-2x - 2y = -8$   
 $-2y = 2x - 8$   
 $y = -\frac{1}{2}x + 4$

**14)**  $-5x - y = +7$   
 $-y = 5x + 7$   
 $y = -5x - 7$

**Answers**

Ex.  $\frac{-4}{9}$

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

1.  $\frac{-6}{3}$

2.  $\frac{-3}{1}$

3.  $\frac{-4}{5}$

4.  $\frac{2}{7}$

5.  $\frac{-6}{1}$

6.  $\frac{9}{6}$

7.  $\frac{4}{8}$

8.  $\frac{3}{1}$

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

10.  $\frac{2}{1}$

11.  $\frac{2}{1}$

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

13.  $\frac{-2}{2}$

14.  $\frac{-5}{1}$