



## Calculating Slope

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

Find the slope.

**Ex)**  $8x - 5y = -20$   
 $-5y = -8x - 20$   
 $y = \frac{8}{5}x + 4$

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

**1)**  $-5x + 2y = 18$

**2)**  $1x - y = +3$

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

**4)**  $7x - y = -3$

**5)**  $2x - y = -1$

**6)**  $-2x + y = +5$

**7)**  $-1x + 2y = 14$

**8)**  $-7x - 8y = 48$

**9)**  $-6x - 5y = 25$

**10)**  $6x + 2y = 2$

**11)**  $3x + y = -4$

**12)**  $-7x + 5y = -40$

**13)**  $-6x + y = -5$

**14)**  $-8x - y = +1$

AnswersEx.  $\frac{8}{5}$ Ex.  $\frac{5}{7}$ 

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

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

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

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

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

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

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

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

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

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

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

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

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

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



## Calculating Slope

Name: **Answer Key**

Find the slope.

**Ex)**  $8x - 5y = -20$   
 $-5y = -8x - 20$   
 $y = \frac{8}{5}x + 4$

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

**1)**  $-5x + 2y = 18$   
 $2y = 5x + 18$   
 $y = \frac{5}{2}x + 9$

**2)**  $1x - y = +3$   
 $-y = -1x + 3$   
 $y = 1x - 3$

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

**4)**  $7x - y = -3$   
 $-y = -7x - 3$   
 $y = 7x + 3$

**5)**  $2x - y = -1$   
 $-y = -2x - 1$   
 $y = 2x + 1$

**6)**  $-2x + y = +5$   
 $y = 2x + 5$

**7)**  $-1x + 2y = 14$   
 $2y = 1x + 14$   
 $y = \frac{1}{2}x + 7$

**8)**  $-7x - 8y = 48$   
 $-8y = 7x + 48$   
 $y = -\frac{7}{8}x - 6$

**9)**  $-6x - 5y = 25$   
 $-5y = 6x + 25$   
 $y = -\frac{6}{5}x - 5$

**10)**  $6x + 2y = 2$   
 $2y = -6x + 2$   
 $y = -\frac{6}{2}x + 1$

**11)**  $3x + y = -4$   
 $y = -3x - 4$

**12)**  $-7x + 5y = -40$   
 $5y = 7x - 40$   
 $y = \frac{7}{5}x - 8$

**13)**  $-6x + y = -5$   
 $y = 6x - 5$

**14)**  $-8x - y = +1$   
 $-y = 8x + 1$   
 $y = -8x - 1$

**Answers**

Ex.  $\frac{8}{5}$

Ex.  $\frac{5}{7}$

1.  $\frac{5}{2}$

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

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

4.  $\frac{7}{1}$

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

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

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

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

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

10.  $\frac{-6}{2}$

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

12.  $\frac{7}{5}$

13.  $\frac{6}{1}$

14.  $\frac{-8}{1}$