



Calculating Slope

Name: **Answer Key****Find the slope.**

Ex) $-5x - 2y = -2$
 $-2y = 5x - 2$
 $y = -\frac{5}{2}x + 1$

Ex) $5x - 8y = 8$
 $-8y = -5x + 8$
 $y = \frac{5}{8}x - 1$

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

2) $-2x - 4y = 36$
 $-4y = 2x + 36$
 $y = -\frac{1}{4}x - 9$

3) $5x + 5y = -45$
 $5y = -5x - 45$
 $y = -\frac{1}{5}x - 9$

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

5) $3x + 8y = 56$
 $8y = -3x + 56$
 $y = -\frac{3}{8}x + 7$

6) $-5x + 5y = 40$
 $5y = 5x + 40$
 $y = \frac{1}{5}x + 8$

7) $8x + y = -1$
 $y = -8x - 1$

8) $4x - y = -3$
 $-y = -4x - 3$
 $y = 4x + 3$

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

10) $-3x - y = +8$
 $-y = 3x + 8$
 $y = -3x - 8$

11) $3x + y = +8$
 $y = -3x + 8$

12) $1x + y = -9$
 $y = -1x - 9$

13) $5x - y = -8$
 $-y = -5x - 8$
 $y = 5x + 8$

14) $4x + 6y = -36$
 $6y = -4x - 36$
 $y = -\frac{2}{3}x - 6$

AnswersEx. $-\frac{5}{2}$ Ex. $\frac{5}{8}$ 1. $-\frac{9}{1}$ 2. $-\frac{2}{4}$ 3. $-\frac{5}{5}$ 4. $-\frac{1}{1}$ 5. $-\frac{3}{8}$ 6. $\frac{5}{5}$ 7. $-\frac{8}{1}$ 8. $\frac{4}{1}$ 9. $\frac{9}{1}$ 10. $-\frac{3}{1}$ 11. $-\frac{3}{1}$ 12. $-\frac{1}{1}$ 13. $\frac{5}{1}$ 14. $-\frac{4}{6}$