



Calculating Slope

Name: _____

Find the slope.

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

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

Answers

1) $-9x + y = -3$

2) $3x - 5y = -20$

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

3) $-3x + 9y = 45$

4) $9x - y = +1$

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

5) $-2x - 4y = 28$

6) $-8x + y = +7$

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

7) $1x + 5y = -15$

8) $4x + y = +1$

9) $-8x + 3y = 15$

10) $-3x + y = -7$

11) $5x - y = +9$

12) $2x + 2y = -14$

13) $-5x - y = -4$

14) $1x - 4y = -8$

1-10	93	86	79	71	64	57	50	43	36	29
11-14	21	14	7	0						



Calculating Slope

Name: **Answer Key**

Find the slope.

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

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

Answers

1) $-9x + y = -3$
 $y = 9x - 3$

2) $3x - 5y = -20$
 $-5y = -3x - 20$
 $y = \frac{3}{5}x + 4$

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

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

4) $9x - y = +1$
 $-y = -9x + 1$
 $y = 9x - 1$

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

5) $-2x - 4y = 28$
 $-4y = 2x + 28$
 $y = -\frac{2}{4}x - 7$

6) $-8x + y = +7$
 $y = 8x + 7$

2. $\frac{3}{5}$

7) $1x + 5y = -15$
 $5y = -1x - 15$
 $y = -\frac{1}{5}x - 3$

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

3. $\frac{3}{9}$

9) $-8x + 3y = 15$
 $3y = 8x + 15$
 $y = \frac{8}{3}x + 5$

10) $-3x + y = -7$
 $y = 3x - 7$

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

11) $5x - y = +9$
 $-y = -5x + 9$
 $y = 5x - 9$

12) $2x + 2y = -14$
 $2y = -2x - 14$
 $y = -\frac{2}{2}x - 7$

5. $\frac{-2}{4}$

13) $-5x - y = -4$
 $-y = 5x - 4$
 $y = -5x + 4$

14) $1x - 4y = -8$
 $-4y = -1x - 8$
 $y = \frac{1}{4}x + 2$

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

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

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

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

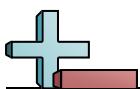
10. $\frac{-2}{2}$

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

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

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

1-10	93	86	79	71	64	57	50	43	36	29
11-14	21	14	7	0						



Calculating Slope

Name: _____

Find the slope.

Ex) $1x + y = + 3$
 $y = -1x + 3$

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

Answers

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

2) $8x + 2y = 2$

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

3) $5x + 8y = 40$

4) $9x - y = + 1$

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

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

6) $-1x - 7y = 14$

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

7) $-5x + 7y = - 49$

8) $-6x - 4y = - 4$

9) $-5x - 3y = 9$

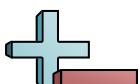
10) $1x - y = - 1$

11) $-6x - y = + 8$

12) $4x - y = - 4$

13) $-5x - 7y = 63$

14) $-8x - y = - 5$



Calculating Slope

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

Ex) $1x + y = + 3$
 $y = -1x + 3$

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

Answers

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

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

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

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

3. $\frac{-5}{8}$

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

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

6. $\frac{-1}{7}$

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

8. $\frac{-6}{4}$

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

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

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

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

13. $\frac{-5}{7}$

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

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

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

3) $5x + 8y = 40$
 $8y = -5x + 40$
 $y = -\frac{5}{8}x + 5$

4) $9x - y = + 1$
 $-y = -9x + 1$
 $y = 9x - 1$

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

6) $-1x - 7y = 14$
 $-7y = 1x + 14$
 $y = -\frac{1}{7}x - 2$

7) $-5x + 7y = - 49$
 $7y = 5x - 49$
 $y = \frac{5}{7}x - 7$

8) $-6x - 4y = - 4$
 $-4y = 6x - 4$
 $y = -\frac{6}{4}x + 1$

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

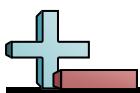
10) $1x - y = - 1$
 $-y = -1x - 1$
 $y = 1x + 1$

11) $-6x - y = + 8$
 $-y = 6x + 8$
 $y = -6x - 8$

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

13) $-5x - 7y = 63$
 $-7y = 5x + 63$
 $y = -\frac{5}{7}x - 9$

14) $-8x - y = - 5$
 $-y = 8x - 5$
 $y = -8x + 5$



Calculating Slope

Name: _____

Find the slope.

Ex) $-7x - 4y = 12$
 $-4y = 7x + 12$
 $y = -\frac{7}{4}x - 3$

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

1) $7x - 2y = 10$

2) $-7x - 6y = - 18$

3) $-6x + y = - 7$

4) $3x + 3y = - 27$

5) $-8x + y = + 2$

6) $8x + y = - 1$

7) $-9x + y = - 5$

8) $3x - 6y = 36$

9) $-3x - 8y = - 72$

10) $2x + y = + 2$

11) $9x + y = - 3$

12) $3x + y = - 7$

13) $3x - 3y = 27$

14) $9x - 3y = - 12$

Answers

Ex. $-\frac{7}{4}$

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

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

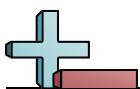
11. _____

12. _____

13. _____

14. _____

1-10	93	86	79	71	64	57	50	43	36	29
11-14	21	14	7	0						



Calculating Slope

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

Ex) $-7x - 4y = 12$
 $-4y = 7x + 12$
 $y = -\frac{7}{4}x - 3$

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

Answers

1) $7x - 2y = 10$
 $-2y = -7x + 10$
 $y = \frac{7}{2}x - 5$

2) $-7x - 6y = - 18$
 $-6y = 7x - 18$
 $y = -\frac{7}{6}x + 3$

Ex. $-\frac{7}{4}$

3) $-6x + y = - 7$
 $y = 6x - 7$

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

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

5) $-8x + y = + 2$
 $y = 8x + 2$

6) $8x + y = - 1$
 $y = -8x - 1$

2. $-\frac{7}{6}$

7) $-9x + y = - 5$
 $y = 9x - 5$

8) $3x - 6y = 36$
 $-6y = -3x + 36$
 $y = \frac{3}{6}x - 6$

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

9) $-3x - 8y = - 72$
 $-8y = 3x - 72$
 $y = -\frac{3}{8}x + 9$

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

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

11) $9x + y = - 3$
 $y = -9x - 3$

12) $3x + y = - 7$
 $y = -3x - 7$

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

13) $3x - 3y = 27$
 $-3y = -3x + 27$
 $y = \frac{3}{3}x - 9$

14) $9x - 3y = - 12$
 $-3y = -9x - 12$
 $y = \frac{9}{3}x + 4$

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

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

8. $\frac{3}{6}$

9. $-\frac{3}{8}$

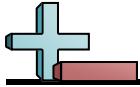
10. $\frac{2}{1}$

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

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

13. $\frac{3}{3}$

14. $\frac{9}{3}$



Calculating Slope

Name: _____

Find the slope.

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

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

Answers

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

Ex. $-\frac{7}{1}$

1) $9x + y = - 6$

2) $4x + 8y = - 24$

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

3) $4x + y = + 2$

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

5) $7x + 9y = 27$

6) $3x + y = - 6$

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

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

9) $2x - 6y = - 36$

10) $-6x - y = - 9$

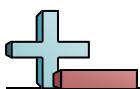
11) $7x - y = - 5$

12) $8x - 7y = - 14$

13) $8x - y = - 9$

14) $2x + 4y = 16$

1-10	93	86	79	71	64	57	50	43	36	29
11-14	21	14	7	0						



Calculating Slope

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

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

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

Answers

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

2) $4x + 8y = -24$
 $8y = -4x - 24$
 $y = -\frac{1}{2}x - 3$

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

3) $4x + y = +2$
 $y = -4x + 2$

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

Ex. $-\frac{7}{1}$

5) $7x + 9y = 27$
 $9y = -7x + 27$
 $y = -\frac{7}{9}x + 3$

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

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

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

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

2. $-\frac{4}{8}$

9) $2x - 6y = -36$
 $-6y = -2x - 36$
 $y = \frac{1}{3}x + 6$

10) $-6x - y = -9$
 $-y = 6x - 9$
 $y = -6x + 9$

3. $-\frac{4}{1}$

11) $7x - y = -5$
 $-y = -7x - 5$
 $y = 7x + 5$

12) $8x - 7y = -14$
 $-7y = -8x - 14$
 $y = \frac{8}{7}x + 2$

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

13) $8x - y = -9$
 $-y = -8x - 9$
 $y = 8x + 9$

14) $2x + 4y = 16$
 $4y = -2x + 16$
 $y = -\frac{1}{2}x + 4$

5. $-\frac{7}{9}$

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

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

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

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

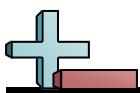
10. $-\frac{6}{1}$

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

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

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

14. $-\frac{2}{4}$



Calculating Slope

Name: _____

Find the slope.

Ex) $-6x - y = -2$
 $-y = 6x - 2$
 $y = -6x + 2$

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

Answers

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

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

1) $3x - y = -9$

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

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

3) $-3x + 2y = -10$

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

5) $7x + y = -3$

6) $-3x - 2y = -12$

7) $2x - y = -8$

8) $2x - y = +3$

9) $4x + 5y = -30$

10) $4x + 7y = -28$

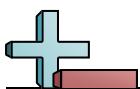
11) $3x + 2y = 10$

12) $-2x + 9y = 9$

13) $9x - y = +4$

14) $-6x - y = -8$

1-10	93	86	79	71	64	57	50	43	36	29
11-14	21	14	7	0						



Calculating Slope

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

Ex) $-6x - y = -2$
 $-y = 6x - 2$
 $y = -6x + 2$

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

Answers

1) $3x - y = -9$
 $-y = -3x - 9$
 $y = 3x + 9$

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

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

3) $-3x + 2y = -10$
 $2y = 3x - 10$
 $y = \frac{3}{2}x - 5$

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

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

5) $7x + y = -3$
 $y = -7x - 3$

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

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

7) $2x - y = -8$
 $-y = -2x - 8$
 $y = 2x + 8$

8) $2x - y = +3$
 $-y = -2x + 3$
 $y = 2x - 3$

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

9) $4x + 5y = -30$
 $5y = -4x - 30$
 $y = -\frac{4}{5}x - 6$

10) $4x + 7y = -28$
 $7y = -4x - 28$
 $y = -\frac{4}{7}x - 4$

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

11) $3x + 2y = 10$
 $2y = -3x + 10$
 $y = -\frac{3}{2}x + 5$

12) $-2x + 9y = 9$
 $9y = 2x + 9$
 $y = \frac{2}{9}x + 1$

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

13) $9x - y = +4$
 $-y = -9x + 4$
 $y = 9x - 4$

14) $-6x - y = -8$
 $-y = 6x - 8$
 $y = -6x + 8$

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

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

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

8. $\frac{4}{5}$

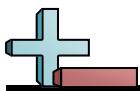
9. $\frac{4}{7}$

10. $\frac{3}{2}$

11. $\frac{2}{9}$

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

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



Calculating Slope

Name: _____

Find the slope.

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

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

Answers

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

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

1) $-9x - y = -3$

2) $9x + y = +2$

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

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

4) $6x + y = -7$

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

6) $6x - y = +8$

7) $6x - y = +7$

8) $5x - y = -8$

9) $6x + 5y = 35$

10) $2x + 3y = 24$

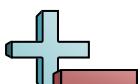
11) $-8x - y = -1$

12) $-4x - 6y = -24$

13) $-1x - y = +7$

14) $-5x + y = +8$

1-10	93	86	79	71	64	57	50	43	36	29
11-14	21	14	7	0						



Calculating Slope

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

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

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

1) $-9x - y = -3$
 $-y = 9x - 3$
 $y = -9x + 3$

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

3) $-7x - 7y = -7$
 $-7y = 7x - 7$
 $y = -\frac{7}{7}x + 1$

4) $6x + y = -7$
 $y = -6x - 7$

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

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

7) $6x - y = +7$
 $-y = -6x + 7$
 $y = 6x - 7$

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

9) $6x + 5y = 35$
 $5y = -6x + 35$
 $y = -\frac{6}{5}x + 7$

10) $2x + 3y = 24$
 $3y = -2x + 24$
 $y = -\frac{2}{3}x + 8$

11) $-8x - y = -1$
 $-y = 8x - 1$
 $y = -8x + 1$

12) $-4x - 6y = -24$
 $-6y = 4x - 24$
 $y = -\frac{4}{6}x + 4$

13) $-1x - y = +7$
 $-y = 1x + 7$
 $y = -1x - 7$

14) $-5x + y = +8$
 $y = 5x + 8$

Answers

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

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

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

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

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

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

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

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

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

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

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

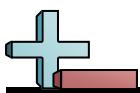
10. $-\frac{2}{3}$

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

12. $-\frac{4}{6}$

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

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



Calculating Slope

Name: _____

Find the slope.

Ex) $2x - 8y = -64$

$-8y = -2x - 64$

$y = \frac{1}{4}x + 8$

Ex) $-8x + 9y = -18$

$9y = 8x - 18$

$y = \frac{8}{9}x - 2$

Answers

1) $-3x + 4y = 20$

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

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

3) $-9x - y = +4$

4) $-7x - 5y = 30$

Ex. $\frac{8}{9}$

5) $8x + 9y = -72$

6) $-8x - 8y = 16$

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

7) $5x + 5y = -45$

8) $7x + y = +1$

9) $-1x + 9y = 18$

10) $-6x - y = +1$

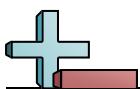
11) $2x + y = -6$

12) $-1x - y = -5$

13) $-3x + y = +9$

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

1-10	93	86	79	71	64	57	50	43	36	29
11-14	21	14	7	0						



Calculating Slope

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

Ex) $2x - 8y = -64$
 $-8y = -2x - 64$
 $y = \frac{1}{4}x + 8$

Ex) $-8x + 9y = -18$
 $9y = 8x - 18$
 $y = \frac{8}{9}x - 2$

1) $-3x + 4y = 20$
 $4y = 3x + 20$
 $y = \frac{3}{4}x + 5$

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

3) $-9x - y = +4$
 $-y = 9x + 4$
 $y = -9x - 4$

4) $-7x - 5y = 30$
 $-5y = 7x + 30$
 $y = -\frac{7}{5}x - 6$

5) $8x + 9y = -72$
 $9y = -8x - 72$
 $y = -\frac{8}{9}x - 8$

6) $-8x - 8y = 16$
 $-8y = 8x + 16$
 $y = -\frac{8}{8}x - 2$

7) $5x + 5y = -45$
 $5y = -5x - 45$
 $y = -\frac{5}{5}x - 9$

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

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

10) $-6x - y = +1$
 $-y = 6x + 1$
 $y = -6x - 1$

11) $2x + y = -6$
 $y = -2x - 6$

12) $-1x - y = -5$
 $-y = 1x - 5$
 $y = -1x + 5$

13) $-3x + y = +9$
 $y = 3x + 9$

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

Answers

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

Ex. $\frac{8}{9}$

1. $\frac{3}{4}$

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

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

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

5. $\frac{-8}{9}$

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

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

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

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

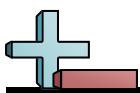
10. $\frac{6}{1}$

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

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

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

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



Calculating Slope

Name: _____

Find the slope.

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

Ex) $8x + 3y = - 15$
 $3y = -8x - 15$
 $y = -\frac{8}{3}x - 5$

Answers

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

2) $-5x - y = + 8$

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

3) $2x + 7y = 7$

4) $9x + 9y = - 63$

Ex. $\underline{-\frac{8}{3}}$

5) $5x + y = - 5$

6) $-5x + y = + 7$

1. $\underline{\hspace{2cm}}$

7) $2x + 8y = 8$

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

2. $\underline{\hspace{2cm}}$

9) $-7x - y = - 6$

10) $3x - y = - 8$

3. $\underline{\hspace{2cm}}$

11) $2x - 5y = 45$

12) $-8x - y = - 8$

4. $\underline{\hspace{2cm}}$

13) $5x + y = - 9$

14) $-2x - 8y = 32$

5. $\underline{\hspace{2cm}}$

6. $\underline{\hspace{2cm}}$

7. $\underline{\hspace{2cm}}$

8. $\underline{\hspace{2cm}}$

9. $\underline{\hspace{2cm}}$

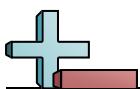
10. $\underline{\hspace{2cm}}$

11. $\underline{\hspace{2cm}}$

12. $\underline{\hspace{2cm}}$

13. $\underline{\hspace{2cm}}$

14. $\underline{\hspace{2cm}}$



Calculating Slope

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

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

Ex) $8x + 3y = -15$
 $3y = -8x - 15$
 $y = -\frac{8}{3}x - 5$

Answers

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

2) $-5x - y = +8$
 $-y = 5x + 8$
 $y = -5x - 8$

3) $2x + 7y = 7$
 $7y = -2x + 7$
 $y = -\frac{2}{7}x + 1$

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

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

6) $-5x + y = +7$
 $y = 5x + 7$

7) $2x + 8y = 8$
 $8y = -2x + 8$
 $y = -\frac{2}{8}x + 1$

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

9) $-7x - y = -6$
 $-y = 7x - 6$
 $y = -7x + 6$

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

11) $2x - 5y = 45$
 $-5y = -2x + 45$
 $y = \frac{2}{5}x - 9$

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

13) $5x + y = -9$
 $y = -5x - 9$

14) $-2x - 8y = 32$
 $-8y = 2x + 32$
 $y = -\frac{2}{8}x - 4$

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

Ex. $-\frac{8}{3}$

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

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

3. $-\frac{2}{7}$

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

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

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

7. $-\frac{2}{8}$

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

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

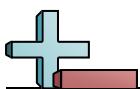
10. $\frac{3}{1}$

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

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

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

14. $-\frac{2}{8}$



Calculating Slope

Name: _____

Find the slope.

Ex) $-5x - 8y = -40$

$$-8y = 5x - 40$$

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

Ex) $9x + 2y = -14$

$$2y = -9x - 14$$

$$y = -\frac{9}{2}x - 7$$

Answers

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

 $\frac{5}{8}$

Ex. $\frac{-9}{2}$

 $\frac{9}{2}$

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

2) $2x + 4y = -16$

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

3) $-1x + 8y = -72$

4) $-1x - y = -7$

5) $3x + y = -4$

6) $8x + y = +8$

7) $8x - y = -1$

8) $3x + 5y = -20$

9) $-4x - y = +1$

10) $-2x + 6y = -54$

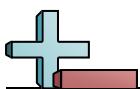
11) $2x + y = +9$

12) $-1x + y = -5$

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

14) $-1x - 3y = 24$

1-10	93	86	79	71	64	57	50	43	36	29
11-14	21	14	7	0						



Calculating Slope

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

Ex) $-5x - 8y = -40$

$$\begin{aligned}-8y &= 5x - 40 \\ y &= \frac{5}{8}x + 5\end{aligned}$$

Ex) $9x + 2y = -14$

$$\begin{aligned}2y &= -9x - 14 \\ y &= -\frac{9}{2}x - 7\end{aligned}$$

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

2) $2x + 4y = -16$
$$\begin{aligned}4y &= -2x - 16 \\ y &= -\frac{1}{2}x - 4\end{aligned}$$

3) $-1x + 8y = -72$
$$\begin{aligned}8y &= 1x - 72 \\ y &= \frac{1}{8}x - 9\end{aligned}$$

4) $-1x - y = -7$
$$\begin{aligned}-y &= 1x - 7 \\ y &= -1x + 7\end{aligned}$$

5) $3x + y = -4$
 $y = -3x - 4$

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

7) $8x - y = -1$
$$\begin{aligned}-y &= -8x - 1 \\ y &= 8x + 1\end{aligned}$$

8) $3x + 5y = -20$
$$\begin{aligned}5y &= -3x - 20 \\ y &= -\frac{3}{5}x - 4\end{aligned}$$

9) $-4x - y = +1$
$$\begin{aligned}-y &= 4x + 1 \\ y &= -4x - 1\end{aligned}$$

10) $-2x + 6y = -54$
$$\begin{aligned}6y &= 2x - 54 \\ y &= \frac{1}{3}x - 9\end{aligned}$$

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

12) $-1x + y = -5$
 $y = 1x - 5$

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

14) $-1x - 3y = 24$
$$\begin{aligned}-3y &= 1x + 24 \\ y &= -\frac{1}{3}x - 8\end{aligned}$$

Answers

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

Ex. $\frac{9}{2}$

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

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

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

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

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

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

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

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

9. $-\frac{4}{1}$

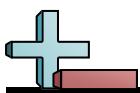
10. $\frac{2}{6}$

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

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

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

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



Calculating Slope

Name: _____

Find the slope.

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

Ex) $-3x + 2y = 16$
 $2y = 3x + 16$
 $y = \frac{3}{2}x + 8$

Answers

Ex. $-\frac{7}{1}$

 $\frac{7}{1}$

Ex. $\frac{3}{2}$

 $\frac{3}{2}$

1) $-1x - 9y = -63$

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

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

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

4) $-7x - y = -8$

5) $4x - 8y = 8$

6) $9x + 5y = -15$

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

8) $9x - y = -8$

9) $9x - y = -3$

10) $8x + 7y = 14$

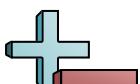
11) $-2x - y = +7$

12) $1x - 6y = 12$

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

14) $3x + 9y = 18$

1-10	93	86	79	71	64	57	50	43	36	29
11-14	21	14	7	0						



Calculating Slope

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

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

Ex) $-3x + 2y = 16$
 $2y = 3x + 16$
 $y = \frac{3}{2}x + 8$

Answers

Ex. $-\frac{7}{1}$

Ex. $\frac{3}{2}$

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

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

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

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

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

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

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

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

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

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

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

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

13. $-\frac{7}{1}$

14. $-\frac{3}{9}$

1) $-1x - 9y = -63$
 $-9y = 1x - 63$
 $y = -\frac{1}{9}x + 7$

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

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

4) $-7x - y = -8$
 $-y = 7x - 8$
 $y = -7x + 8$

5) $4x - 8y = 8$
 $-8y = -4x + 8$
 $y = \frac{4}{8}x - 1$

6) $9x + 5y = -15$
 $5y = -9x - 15$
 $y = -\frac{9}{5}x - 3$

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

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

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

10) $8x + 7y = 14$
 $7y = -8x + 14$
 $y = -\frac{8}{7}x + 2$

11) $-2x - y = +7$
 $-y = 2x + 7$
 $y = -2x - 7$

12) $1x - 6y = 12$
 $-6y = -1x + 12$
 $y = \frac{1}{6}x - 2$

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

14) $3x + 9y = 18$
 $9y = -3x + 18$
 $y = -\frac{3}{9}x + 2$