Calculating Slope

Name:

Find the slope.

Ex) $-3x - 5y = 10$

$-5y = 3x + 10$

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

Ex) $-4x + 2y = -14$

$2y = 4x - 14$

$y = \frac{4}{2}x - 7$

1) $-1x - 3y = -18$

2) $1x - 7y = -56$

3) $-8x + 8y = -64$

4) $3x + 2y = 8$

5) $-5x + 9y = 63$

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

7) $5x + 7y = 35$

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

9) $-4x - 5y = -10$

10) $8x - y = +6$

11) $1x + 7y = 49$

12) $2x - 6y = 30$

13) $-6x - 5y = -20$

14) $4x - 9y = -45$

Answers

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

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

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

Ex) -4x + 2y = - 14
2y = 4x - 14
y = $\frac{4}{2}$x - 7

1) -1x - 3y = - 18
-3y = 1x - 18
y = $-\frac{1}{3}$x + 6

2) 1x - 7y = - 56
-7y = -1x - 56
y = $\frac{1}{7}$x + 8

3) -8x + 8y = - 64
8y = 8x - 64
y = $\frac{8}{8}$x - 8

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

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

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

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

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

9) -4x - 5y = - 10
-5y = 4x - 10
y = $-\frac{4}{5}$x + 2

10) 8x - y = + 6
-y = -8x + 6
y = 8x - 6

11) 1x + 7y = 49
7y = -1x + 49
y = $-\frac{1}{7}$x + 7

12) 2x - 6y = 30
-6y = -2x + 30
y = $\frac{2}{6}$x - 5

13) -6x - 5y = - 20
-5y = 6x - 20
y = $-\frac{6}{5}$x + 4

14) 4x - 9y = - 45
-9y = -4x - 45
y = $\frac{4}{9}$x + 5

Answers

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

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