Calculating Slope

Name:

Find the slope.

Ex) $1x - 6y = -6$
$-6y = -1x - 6$
$y = {}^{1}/_{6}x + 1$

Ex) $3x - 8y = 48$
$-8y = -3x + 48$
$y = {}^{3}/_{8}x - 6$

1) $3x - y = +9$

2) $2x + 2y = -18$

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

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

5) $6x + 6y = 36$

6) $7x - 3y = 9$

7) $8x - 7y = 49$

8) $4x + 9y = 63$

9) $8x + 5y = 35$

10) $8x + y = -1$

11) $3x + y = -6$

12) $-9x - y = +5$

13) $-4x - y = -1$

14) $5x + 2y = 12$

Answers

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

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

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) $1x - 6y = -6$
$-6y = -1x - 6$
$y = {}^{1}/_{6}x + 1$

Ex) $3x - 8y = 48$
$-8y = -3x + 48$
$y = {}^{3}/_{8}x - 6$

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

2) $2x + 2y = -18$
$2y = -2x - 18$
$y = -{}^{2}/_{2}x - 9$

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

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

5) $6x + 6y = 36$
$6y = -6x + 36$
$y = -{}^{6}/_{6}x + 6$

6) $7x - 3y = 9$
$-3y = -7x + 9$
$y = {}^{7}/_{3}x - 3$

7) $8x - 7y = 49$
$-7y = -8x + 49$
$y = {}^{8}/_{7}x - 7$

8) $4x + 9y = 63$
$9y = -4x + 63$
$y = -{}^{4}/_{9}x + 7$

9) $8x + 5y = 35$
$5y = -8x + 35$
$y = -{}^{8}/_{5}x + 7$

10) $8x + y = -1$
$y = -8x - 1$

11) $3x + y = -6$
$y = -3x - 6$

12) $-9x - y = +5$
$-y = 9x + 5$
$y = -9x - 5$

13) $-4x - y = -1$
$-y = 4x - 1$
$y = -4x + 1$

14) $5x + 2y = 12$
$2y = -5x + 12$
$y = -{}^{5}/_{2}x + 6$

Answers

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

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

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

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