Calculating Slope

Name:

Find the slope.

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

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

1) $8x - 6y = 18$

2) $2x - 3y = -21$

3) $9x - y = -7$

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

5) $8x - y = -1$

6) $4x + 9y = -81$

7) $9x - 6y = 12$

8) $-6x - 4y = 24$

9) $-7x + y = +2$

10) $-7x + 6y = -6$

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

12) $9x + y = +2$

13) $-9x - y = -6$

14) $-9x - y = -8$

Answers

Ex. $5/1$

Ex. $3/1$

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

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

1) $8x - 6y = 18$
$-6y = -8x + 18$
$y = \frac{8}{6}x - 3$

2) $2x - 3y = -21$
$-3y = -2x - 21$
$y = \frac{2}{3}x + 7$

3) $9x - y = -7$
$-y = -9x - 7$
$y = 9x + 7$

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

5) $8x - y = -1$
$-y = -8x - 1$
$y = 8x + 1$

6) $4x + 9y = -81$
$9y = -4x - 81$
$y = -\frac{4}{9}x - 9$

7) $9x - 6y = 12$
$-6y = -9x + 12$
$y = \frac{9}{6}x - 2$

8) $-6x - 4y = 24$
$-4y = 6x + 24$
$y = -\frac{6}{4}x - 6$

9) $-7x + y = +2$
$y = 7x + 2$

10) $-7x + 6y = -6$
$6y = 7x - 6$
$y = \frac{7}{6}x - 1$

11) $3x + 3y = -3$
$3y = -3x - 3$
$y = -\frac{3}{3}x - 1$

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

13) $-9x - y = -6$
$-y = 9x - 6$
$y = -9x + 6$

14) $-9x - y = -8$
$-y = 9x - 8$
$y = -9x + 8$

Answers

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

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