



Calculating Slope

Name: _____

Find the slope.

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

$6y = 7x + 6$

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

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

$3y = -1x - 3$

$y = -\frac{1}{3}x - 1$

1) $-3x + 7y = -14$

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

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

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

5) $6x - 2y = 18$

6) $-8x - 2y = -4$

7) $4x + 5y = 15$

8) $7x + y = +4$

9) $7x - y = +9$

10) $6x + 5y = 40$

11) $1x - y = -2$

12) $-5x + y = +7$

13) $-8x - 8y = 72$

14) $-9x - 5y = -35$

Answers

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

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

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____



Calculating Slope

Name: **Answer Key**

Find the slope.

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

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

1) $-3x + 7y = -14$
 $7y = 3x - 14$
 $y = \frac{3}{7}x - 2$

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

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

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

5) $6x - 2y = 18$
 $-2y = -6x + 18$
 $y = \frac{6}{2}x - 9$

6) $-8x - 2y = -4$
 $-2y = 8x - 4$
 $y = -\frac{8}{2}x + 2$

7) $4x + 5y = 15$
 $5y = -4x + 15$
 $y = -\frac{4}{5}x + 3$

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

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

10) $6x + 5y = 40$
 $5y = -6x + 40$
 $y = -\frac{6}{5}x + 8$

11) $1x - y = -2$
 $-y = -1x - 2$
 $y = 1x + 2$

12) $-5x + y = +7$
 $y = 5x + 7$

13) $-8x - 8y = 72$
 $-8y = 8x + 72$
 $y = -\frac{8}{8}x - 9$

14) $-9x - 5y = -35$
 $-5y = 9x - 35$
 $y = -\frac{9}{5}x + 7$

Answers

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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