

Writing Equations of Lines

Rewrite the following equation in slope intercept form

1. $y - 6 = -2(x + 3)$

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

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

4. $y - 1 = -2(x + 1)$

5. $y - 2 = 2(x + 4)$

6. $y - 4 = 2(x + 3)$

7. $y - 5 = 3(x - 3)$

8. $y - 2 = 3(x - 2)$

Write an equation for the line in point-slope form
then rewrite the equation slope int-form.

1. $(-2, 3)$ slope = -1

2. $(2, -3)$ slope = 4

3. $(4, 7)$ slope = $3/2$

4. $(6, -2)$ slope = $-4/3$

Write an equation for the line in point-slope form
then rewrite the equation slope int-form.

1. $(2, -1)$ slope = 3

2. $(3, 4)$ $m = .5$

3. $(-3, 10)$ slope = 4

4. $(-2, 9)$ $m = -8$

5. $(-4, -1)$ $(-9, 2)$

6. $(2, 12)$ $(7, 2)$

7. $(5, 12)$ $(6, -2)$

8. $(3, -12)$ $(8, 4)$

Write an equation for the line in point-slope form
then rewrite the equation slope int-form.

1. $(5, 7)$ $(6, 8)$

2. $(1, 2)$ $(3, 8)$

3. $(0, 5)$ $(-3, 2)$

4. $(8, 11)$ $(6, 16)$

Write an equation for the data in point-slope form
then rewrite the equation slope int-form.

x	y
2	3
3	7
4	11
5	15

x	y
-3	4
-1	6
1	8
3	10

x	y
-2	5
3	-5
8	-15
13	-25

Months, m	Total Books, B
0	8
1	11
2	14
3	17