## Writing Equations of Lines

## Write an equation for the line in slope intercept-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 slope

 intercept-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 line in slope intercept-form.

1. $(2,-1)$ slope $=3$
2. $(3,4) \mathrm{m}=.5$
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. $(3,-12)(8,4)$

# 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.

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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 slope int-form.

| $x$ | $y$ |
| :--- | :--- |
| 2 | 3 |
| 6 | 7 |
| 10 | 11 |
| 14 | 15 |


| $x$ | $y$ |
| :--- | :--- |
| -3 | 2 |
| -1 | 6 |
| 1 | 10 |
| 3 | 14 |


| $x$ | $y$ |
| :--- | :--- |
| -2 | 5 |
| 3 | -5 |
| 8 | -15 |
| 13 | -25 |


| Months, <br> $m$ | Total <br> Books, B |
| :--- | :--- |
| 0 | 8 |
| 1 | 11 |
| 2 | 14 |
| 3 | 17 |

