

Writing Linear Equations

Write an equation of the line that contains the given point and has the given slope.

1. $(-7, 5)$, slope = -2	2. $(-4, -4)$, slope = -1	3. $(-4, -7)$, slope = -2
4. $(-1, -1)$, slope = 4	5. $(-4, -15)$, slope = -5	6. $(-8, 12)$, slope = $1/2$
7. $(-7, 7)$, slope = -5	8. $(8, 4)$, slope = $-1/2$	9. $(6, -2)$, slope = $-1/2$

CCGPS Coordinate Algebra
Writing Equations of Lines Given Two Points

Name: _____

Date: _____ Day: _____

Find the slope and the y-intercept, and then write the equation of the line.

Find slope.	$m = \frac{y_2 - y_1}{x_2 - x_1}$	Solve for b $y = mx + b$	Write the equation $y = mx + b$
1. (1, 5) and (2, 7) m =			$y = mx + b$
2. (0, 1) and (3, -8) m =			$y = mx + b$
3. (2, -3) and (4, -2) m =			$y = mx + b$
4. (2, 5) and (4, 2) m =			$y = mx + b$
5. (-3, -5) and (-1, 3) m =			$y = mx + b$