

Algebra 1 Linear Modeling Checkpoint (Test)

Name: _____

Date: _____

1. Identify the slope and y-intercept of the line
 $y = -3x + 5$.

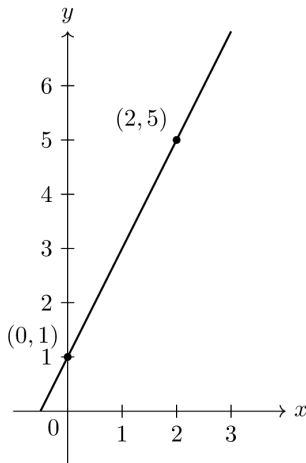
2. Rewrite the equation $y - 2 = \frac{1}{2}(x + 6)$ in slope-intercept form.

3. Find the equation of the line in slope-intercept form that passes through $(4, -1)$ and $(-2, 5)$.

4. Find the slope of the line represented by the table of values:

x	y
-1	4
1	0
3	-4

5. Determine the slope of the line shown on the coordinate plane (use two clear points on the line).



6. For the linear function $f(x) = 3x - 7$, state the slope and the y -intercept.
7. Given the data points $(1, 2)$, $(3, 6)$, $(5, 10)$, which form a perfect linear pattern, find the linear model in slope-intercept form.

8. Given the table shows a perfect linear relationship, find the linear equation:
9. Rewrite $2x - 3y = 12$ in slope-intercept form and state the slope.

x	y
0	-1
2	3
4	7