

Algebra I

Name: _____

Date: _____

Hour: _____

Chapter 5 Review

Find the slope of each line using the given points.

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

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

3.) $(-5, 4)$ $(1, 4)$

4.) $(-3, -1)$ $(-3, 3)$

Write an equation in slope intercept form.

5.) with a slope of 2 and y-intercept of 1

6.) with a slope of $-\frac{1}{2}$ and y-intercept of 5

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7.) through (0, -4) and a slope of 8

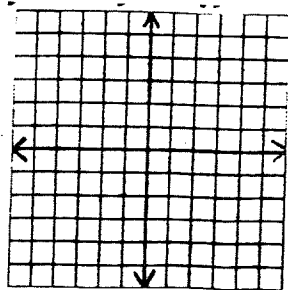
8.) through (4, 2) and (5, -4)

9.) through (2, -1) and (-3, -1)

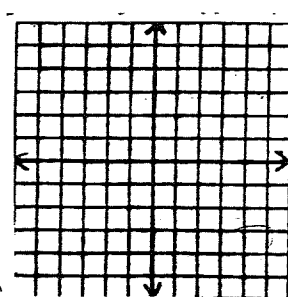
10.) through (-6, 0) and (0, -2)

Graph each equation.

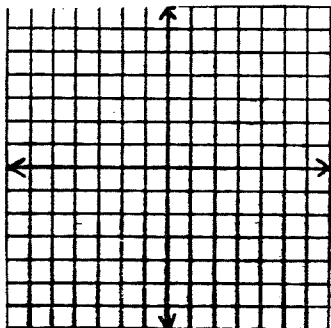
11.) $y = -\frac{1}{2}x - 2$



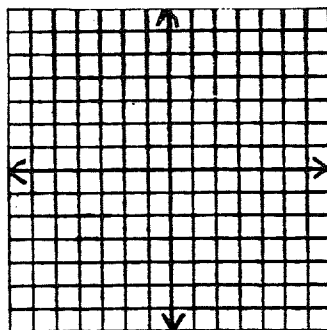
12.) $y = -x + 6$



13.) $y = -\frac{3}{4}x + 4$



14.) $y = 4x - 1$



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Write the equation in point-slope form.

15.) with a slope of 2 and y-intercept of -1.

16.) through (0, 4) and (1, 2).

17.) through (3, 5) and with a slope of 4.

18.) that crosses the x-axis at $x = -2$ and the y-axis at $y = 1$.

Identify the following lines as vertical or horizontal, and state the slope.

19.) $y = -6$

20.) $x = 2$

21.) $y = \frac{1}{2}$

22.) $x = -\frac{1}{3}$

