

Chapter 7 Review

Quick Draw

On a sheet of graph paper, create a coordinate grid by drawing and labeling the x - and y -axes. Then use the clues below to graph a group of segments and one line. The segments will not be connected in order, but when you finish they will form a recognizable figure.

CLUE 1

Plot $(4, 5)$ and $(5, 3)$. Connect them with a line segment. What is the slope of this segment? _____

CLUE 5

Plot $(-5, 1)$ and $(-5, 3)$. Connect them with a line segment. Write an equation for the line that contains this segment.

CLUE 8

Connect $(-5, 1)$ to $(0, -6)$. What is the slope of this segment?

CLUE 2

Plot $(2, 5)$ and connect it to $(4, 5)$. What is the slope of this segment?

CLUE 6

Start at $(-5, 3)$. Use the slope $m = 2$ to rise and run once. Connect the two points with a line segment. Write an equation in point-slope form for the line that contains this segment.

CLUE 9

Use $y = x + 3$ to graph the next line segment. Plot the point indicated by the y -intercept. Use the slope to rise and run twice. Connect the two points.

CLUE 3

Plot $(5, 1)$ and connect it to $(5, 3)$. What is the slope of this segment?

CLUE 10

Connect $(-2, 5)$ and $(0, 3)$ with a line segment. Write an equation in slope-intercept form for the line that contains this segment.

CLUE 4

Plot $(-2, 5)$ and $(-4, 5)$. Connect them with a line segment. Write an equation for the line that contains this segment.

CLUE 7

Use $y = \frac{7}{5}x - 6$ to graph the next line segment. Plot the point indicated by the y -intercept. Use the slope to rise and run once. Connect the two points.

CLUE 11

Graph $-2x + 3y = 3$.

Answers are located on page 116.