

Name: \_\_\_\_\_

Hour: \_\_\_\_\_

## Linear Equation Worksheet

Circle three linear equations in each box and write them over the tables below. Complete each table with at least three ordered pairs that are solutions to the linear equation (pick  $x$ -values between  $-7$  and  $7$ ). Then plot the three ordered pairs and graph these twelve linear equations in **black** on the coordinate plane provided. When you are done graphing the equations, color each section to create a picture.

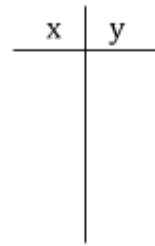
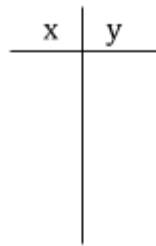
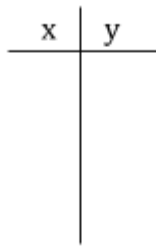
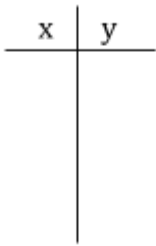
$x = -7$ $x = -5$ $x = -1$ $x = 2$ $x = 4$ $x = 6$	$y = -6$ $y = -4$ $y = -2$ $y = 1$ $y = 3$ $y = 5$	$y = x + 5$ $y = 2x - 4$ $y = 4x + 1$ $y = \frac{1}{3}x - 1$ $y = \frac{1}{4}x - 6$ $y = \frac{1}{2}x - 3$	$y = -x - 2$ $y = -2x + 5$ $y = -\frac{1}{3}x - 3$ $y = -\frac{1}{4}x + 5$ $y = -2x$ $y = -x + 1$
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$x =$  \_\_\_\_\_

$y =$  \_\_\_\_\_

$y =$  \_\_\_\_\_

$y =$  \_\_\_\_\_



$x =$  \_\_\_\_\_

$y =$  \_\_\_\_\_

$y =$  \_\_\_\_\_

$y =$  \_\_\_\_\_

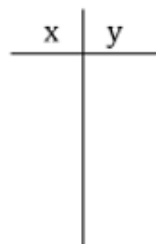


$x =$  \_\_\_\_\_

$y =$  \_\_\_\_\_

$y =$  \_\_\_\_\_

$y =$  \_\_\_\_\_



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## Linear Equation Worksheet

On the coordinate plane below, graph the linear equations that you circled on the last page. Use the three ordered pair solutions that you listed for each equation to graph it. Color the ordered pairs and lines in **black**. When you are finished graphing the equations, color each section to create your picture.

