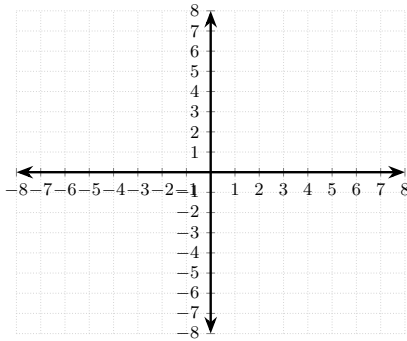


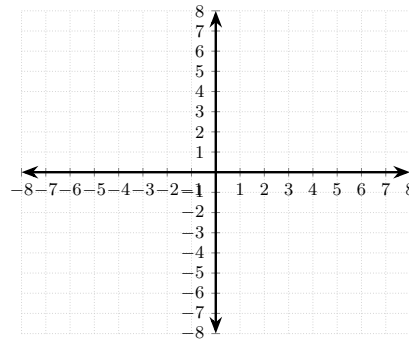
# Linear Equations Test 4

Name and period: \_\_\_\_\_

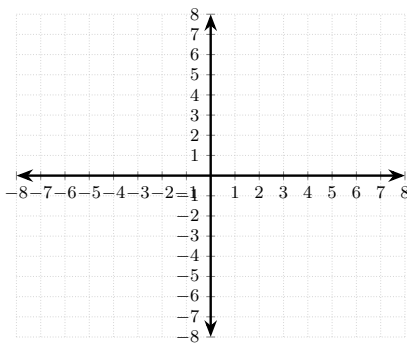
- 1) Write an equation of the line through the point  $(-4, 4)$  with slope 3.



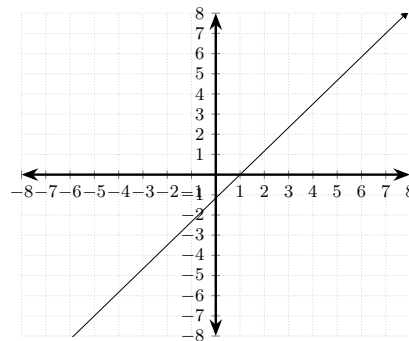
- 4) Write an equation of the line through the points  $(2, -5)$  and  $(4, 5)$



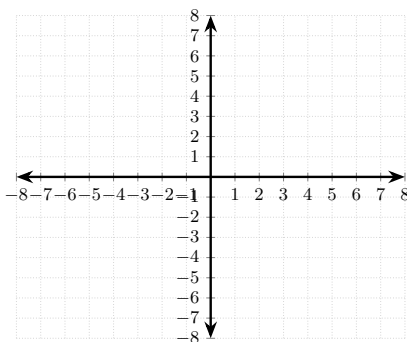
- 2) Write an equation of the line through the points  $(0, -4)$  and  $(8, -6)$



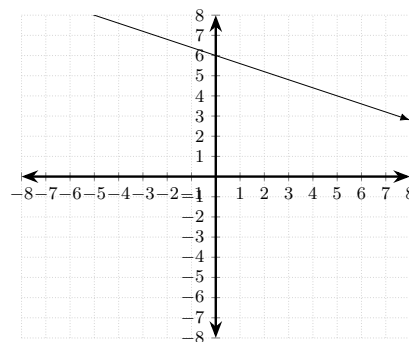
- 5) The line through the points  $(1, 0)$  and  $(7, 7)$  is shown in the graph. Write an equation of a line parallel to this line that passes through the point  $(1, -1)$ .



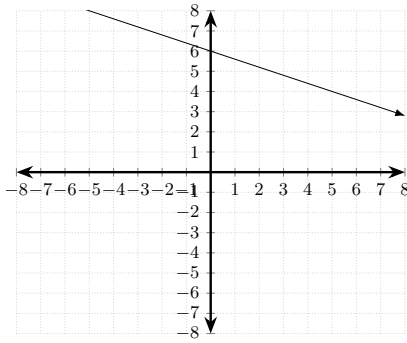
- 3) Write an equation of the line through the point  $(2, 3)$  with slope 0. Write the equation in slope-intercept form, and simplify it completely.



- 6) The line given by the equation  $y = -\frac{2}{5}x + 6$  is shown in the graph below. Write an equation of the line through the point  $(3, 0)$  and parallel to this line.



- 7) The line given by the equation  $y = -\frac{2}{5}x + 6$  is shown in the graph below. Write an equation of the line through the point  $(2, 3)$  and perpendicular to this line.



- 11) Rewrite the equation  $y + 7 = 2(x + 8)$  in slope-intercept form.

- 12) Rewrite the equation  $y + 5 = -7(x - 2)$  in standard form.

- 8) Write an equation of the line through the point  $(3, 6)$  with undefined slope.

- 9) Write an equation of the line through the points  $(-1, -5)$  and  $(8, -5)$

- 13) Rewrite the equation  $2x - 10 = 2y$  in standard form.

- 10) Write an equation of the line through the points  $(-2, 3)$  and  $(-2, -5)$

- 14) Rewrite the equation  $2x + 3y = 6$  in slope-intercept form.