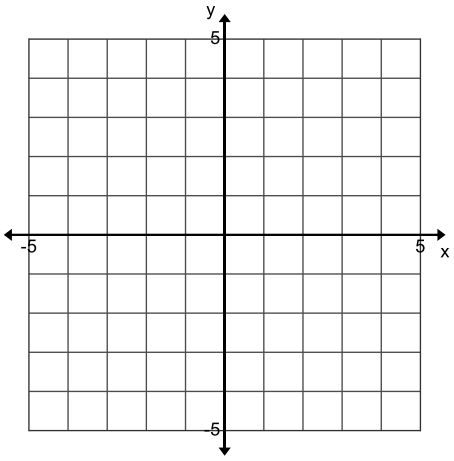
Name: _____ Date: _____ Period: _____ Score: _____

Unit 6 Day 7 - Write Equations of Parallel Lines Assignment

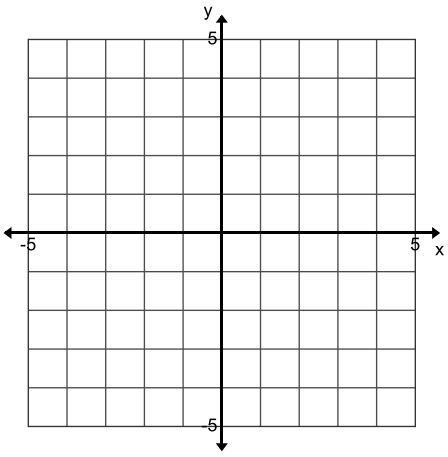
1. Graph $y = -\frac{3}{4}x - 3$



2. Draw a line parallel to the given equation through the point (4,2).

3. Write an equation for the new line.

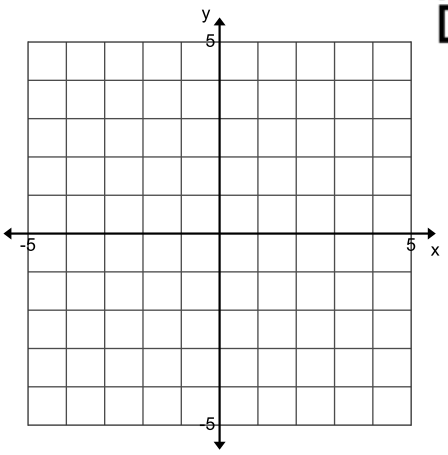
4. Graph $y = 3x + 1$



5. Draw a line parallel to the given equation through the point (-3,-3).

6. Write an equation for the new line.

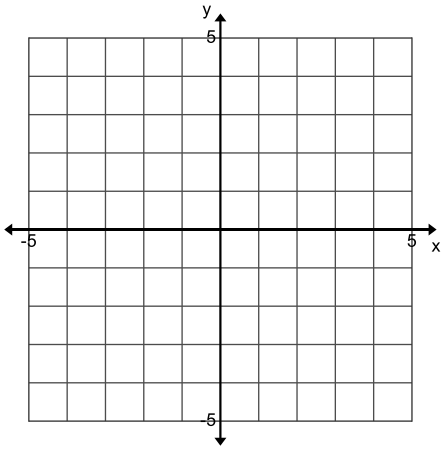
7. Graph $y = -x$



8. Draw a line parallel to the given equation through the point (0,-5).

9. Write an equation for the new line.

10. Graph $y = -4$



11. Draw a line parallel to the given equation through the point (1, 0).

12. Write an equation for the new line.

Write the equation of the line described.

13. through (-4, 0) and parallel to $y = \frac{3}{4}x - 2$

14. through (0, 5) and parallel to $y = -2x + 3$

15. through (-2, 4) and parallel to $y = -\frac{5}{2}x + 5$

16. through (1, 1) and parallel to $y = 3x - 4$

17. through (4, 5) and parallel to $y = \frac{3}{4}x - 1$

18. through (-2, 3) and parallel to $y = -x - 2$

19. through (-4, 0) and parallel to $x = -1$

20. through (0, 0) and parallel to $y = x + 3$

Working hard at math can help your brain grow. You can do this!