

1. Write the equation of the line that is parallel to the graph of $y = \frac{1}{2}x + 6$, and whose y-intercept is -2.
2. Write the equation of the line that is parallel to the graph of $y = -4x - 9$, and whose y-intercept is 3.
3. Write the equation of the line that is parallel to the graph of $3x - y = 5$, and whose y-intercept is (0, -7).
4. Write the equation of the line that is parallel to the graph of $2x + y = 5$, and whose y-intercept is (0, 4).

Write the slope-intercept form of an equation of the line that passes through the given point and is parallel to the graph of each equation.

5. (3, 2), $y = x + 5$
6. (-2, 5), $y = -4x + 2$
7. (-3, 4), $3y = 2x - 3$
8. (-1, -4), $9x + 3y = 8$
9. Write the equation of the line that is perpendicular to the graph of $y = \frac{1}{2}x + 6$, and whose y-intercept is (0, -2).
10. Write the equation of the line that is perpendicular to the graph of $y = -4x - 9$, and whose y-intercept is (0, 3).
11. Write the equation of the line that is perpendicular to the graph of $3x - y = 5$, and whose y-intercept is -7.