~Perpendicular Lines Notes~

* Graphs:
* Equations:

**Find the Opposite Reciprocal Slopes**



**How to Write an Equation of a Line PERPENDICULAR to another and given a point**

1. Given \_\_\_\_\_\_\_\_\_\_\_ should be solved for \_\_\_ (*y = mx + b*).
2. Write down the \_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_ slope of that line.
3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_ m and (x, y) in *y = mx +b*.
4. \_\_\_\_\_\_\_\_ for b.
5. Write the \_\_\_\_\_\_\_\_\_ using m and b.

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| Write a line perpendicular to the line y = ½ x – 2 and passes through the point (1, 0). | Write a line perpendicular to the line y = -3x + 2 and passes through the point (6, 5). |
| Write a line perpendicular to the line 2x + 3y = 9 and passes through the point (6, -1). | Write a line perpendicular to the line y = 2x – 1 and passes through the point (2, 4). |
| Write a line perpendicular to the line and passes through the point (5, 1). |