|  |  |
| --- | --- |
| **Example: The line with the given equation is perpendicular to line *j* at point *R.*** **Write an equation for line *j.***  **,** *R*(5, -5) | |
| **I SEE**  **Directions**: Write down your observations and questions about the example above | **IT MEANS**  **Directions**: Explain in your own words how you get from one step to the next in the above example. |
| **1.** | **1.** |
| **2.** | **2.** |
| **3.** | **3.** |
| **4.** | **4.** |
| **5.** | **5.** |
| **6.** | **6.** |

**Try these examples on your own. You may use the coordinate planes provided to help guide your thinking or to see if your answer makes sense graphically. You must show all work.**

#1. Find an equation of a line that is parallel to the line +5 and goes through the point (4, 6)





#2. Find an equation of the line that passes through (–1, –3) and is parallel to 4x + 5y = 6.



#3. Find an equation of the line that passes through (4, 6) and is perpendicular to the line whose equation is .

#4. Find an equation of a line passing through (–1, –1) and is perpendicular to x + y = 6.

