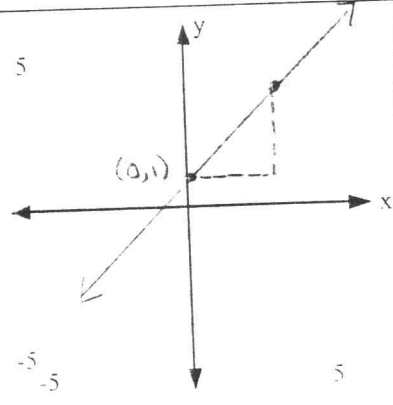
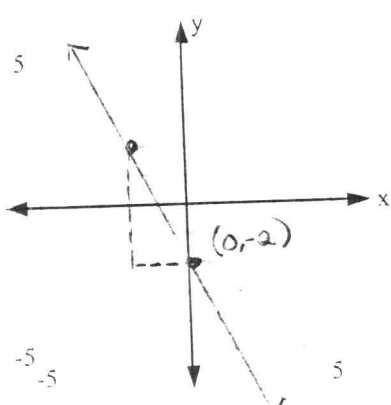
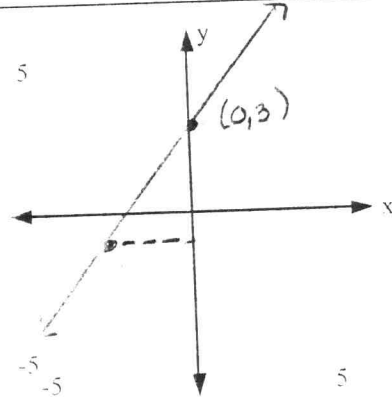


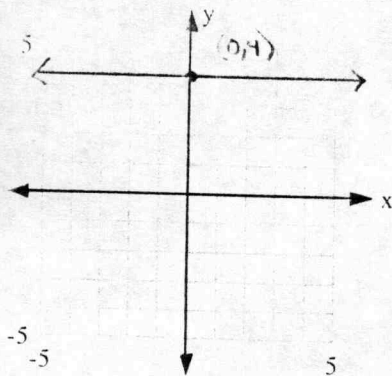
WS 1 (Writing Linear Equations)

Part 1: In these problems, you will be given the slope and the y-intercept in words or in a graph. Write the equation of the line in slope-intercept form. **Box your answer.**

<p><b>Type 1:</b> Given 'm' and (0, b)</p> <p>Step 1: Write <math>y = mx + b</math></p> <p>Step 2: Plug in 'm' and 'b'</p> <p><i>Hint: You may have to make a slope <math>\Delta</math> on a graph to "see" the slope.</i></p>	<p><b>Example:</b></p> <p>slope is -5 and y-intercept is (0, -7)</p> <p>Which type is this? <u>Type 1</u></p> <p>Find the equation: <math>y = mx + b</math></p> <p><math>\therefore y = -5x - 7</math></p>
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<p>1. slope = -2 y - int is (0, -5)</p>	<p>2. slope = 3/4 y - int is (0, 10)</p>	<p>3. slope = - 1/2 y - int is (0, 0)</p>
<p>4. slope = 1 y - int is (0, 11)</p>	<p>5. slope = 0 y - int is (0, 3)</p>	<p>6. slope is undefined y - int is (0, 0) (hint: sketch this to see what is going on)</p> <p style="text-align: center;">What is this line?</p>
<p>7.</p>  <p>Slope: _____</p> <p>y-int: _____</p> <p>Equation: _____</p>	<p>8.</p>  <p>Slope: _____</p> <p>y-int: _____</p> <p>Equation: _____</p>	<p>9.</p>  <p>Slope: _____</p> <p>y-int: _____</p> <p>Equation: _____</p>

10.

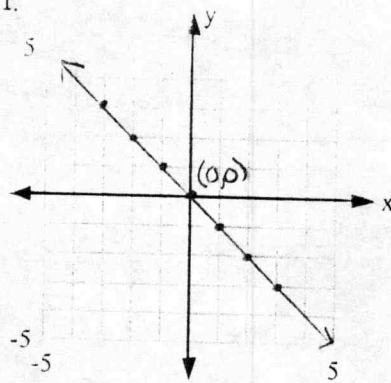


Slope: \_\_\_\_\_

y-int: \_\_\_\_\_

Equation: \_\_\_\_\_

11.

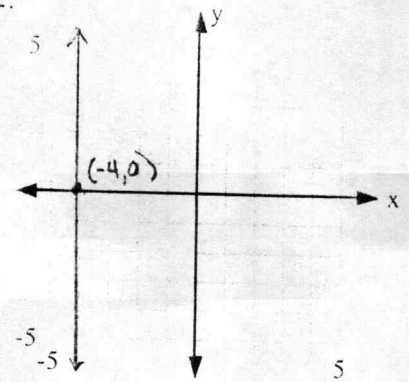


Slope: \_\_\_\_\_

y-int: \_\_\_\_\_

Equation: \_\_\_\_\_

12.



Slope: \_\_\_\_\_

y-int: \_\_\_\_\_

Equation: \_\_\_\_\_

13. The line is parallel to the line  $y = \frac{2}{3}x - 4$  and passes through  $(0, 1)$

Slope: \_\_\_\_\_

y-int: \_\_\_\_\_

Equation: \_\_\_\_\_

14. The line is parallel to the line  $2y + 5 = x$  (carefull!) and contains  $(0, -7)$

Slope: \_\_\_\_\_

y-int: \_\_\_\_\_

Equation: \_\_\_\_\_

15. The line is parallel to the x-axis and passes through  $(0, -3)$

Slope: \_\_\_\_\_

y-int: \_\_\_\_\_

Equation: \_\_\_\_\_

16. The line is parallel to the line  $x = -9$  (carefull!) and contains the point  $(5, 1)$ .

Slope: \_\_\_\_\_

point: \_\_\_\_\_

Equation: \_\_\_\_\_