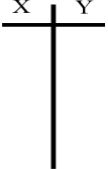
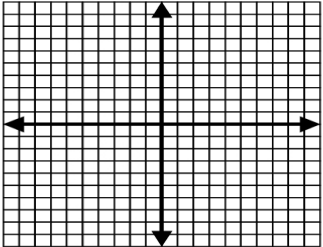

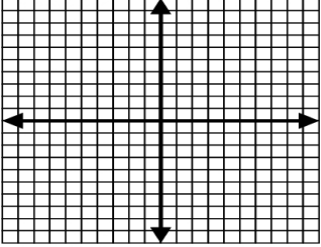
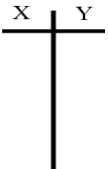
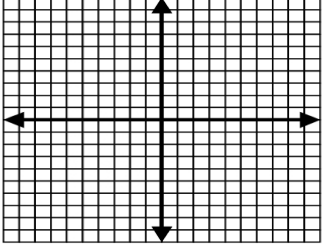

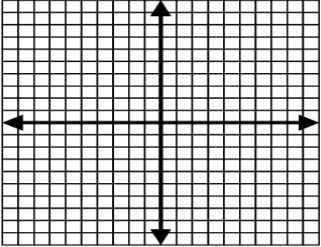


**9-1 Graphing Quadratic Functions**  
Worksheet A

Name: \_\_\_\_\_

Graph the following quadratic equations.

<p><b>1.</b> <math>y = -x^2 + 9</math></p> <div style="display: flex; align-items: center;"> <div style="margin-right: 20px;"> <p>X    Y</p>  </div> <div>  </div> </div>	<p><b>2.</b> <math>y = -x^2 + 4</math></p> <div style="display: flex; align-items: center;"> <div style="margin-right: 20px;"> <p>X    Y</p>  </div> <div>  </div> </div>
<p><b>3.</b> <math>y = x^2 + 6x + 5</math></p> <div style="display: flex; align-items: center;"> <div style="margin-right: 20px;"> <p>X    Y</p>  </div> <div>  </div> </div>	<p><b>4.</b> <math>y = x^2 + 2x - 3</math></p> <div style="display: flex; align-items: center;"> <div style="margin-right: 20px;"> <p>X    Y</p>  </div> <div>  </div> </div>

<p><b>5.</b> Which of the following equations opens up?</p> <p>A) <math>-5x^2 + 7x + 9</math>    B) <math>21x^2 - 18x + 11</math></p> <p>C) <math>-x^2 + 9</math>            D) <math>-8 + x + 4x^2</math></p>	<p><b>6.</b> Which of the following equations opens down?</p> <p>A) <math>y = x^2 + 2x - 3</math>    B) <math>y = 4</math></p> <p>C) <math>y = -4 + x^2</math>        D) <math>y = 7 + 10x - 3x^2</math></p>
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