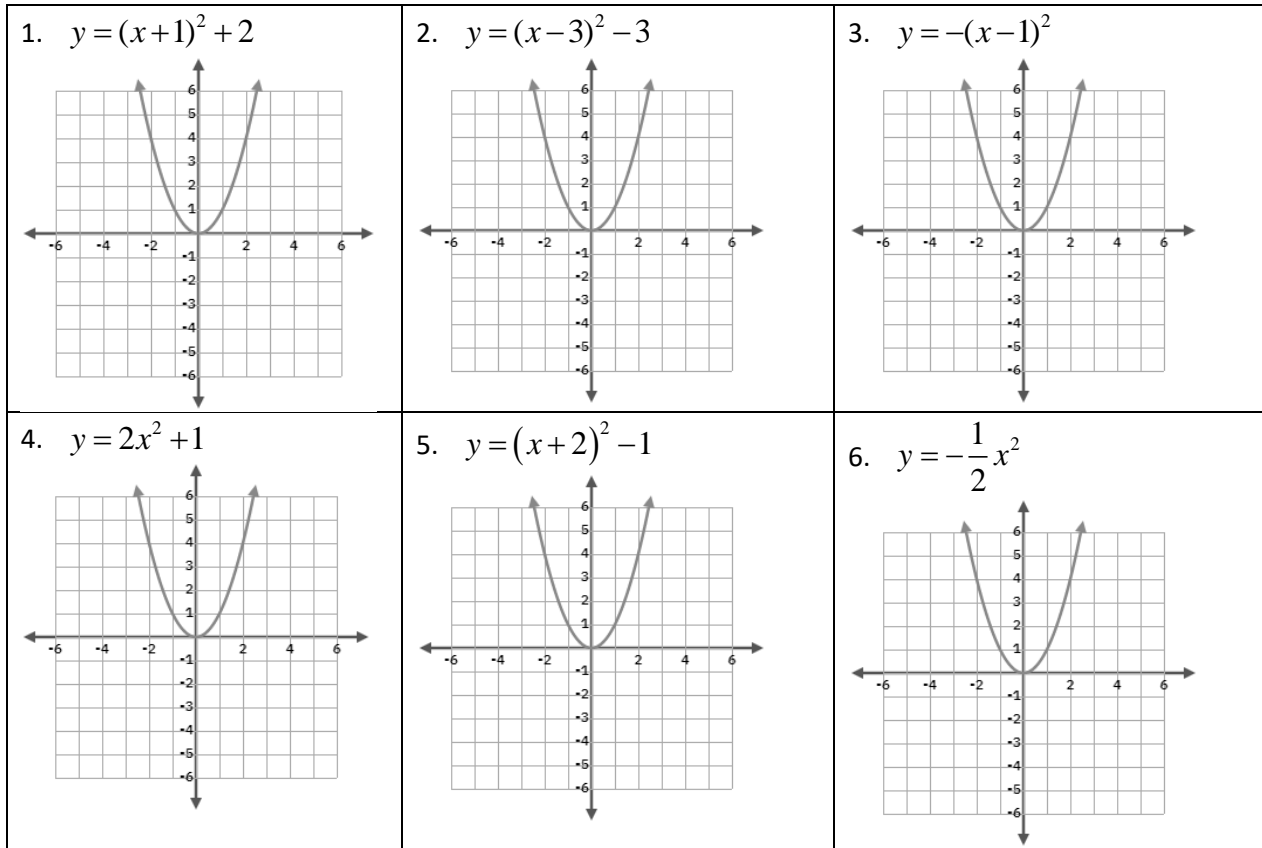


## Quadratic Transformation WS

Sketch the graph of each transformation on the given graph of  $y = x^2$



Without Graphing, describe what happens to each of the following with respect to the graph of  $y = x^2$ .

<p>7. <math>y = (x+4)^2 + 3</math></p>	<p>8. <math>y = (x+3)^2 - 5</math></p>	<p>9. <math>y = -x^2 - 1</math></p>
<p>10. <math>y = (x-2)^2 + 4</math></p>	<p>11. <math>y = (x-4)^2 - 2</math></p>	<p>12. <math>y = 2(x-5)^2</math></p>