

HW # _____
Quadratic Formula

Name: _____
 Algebra - Period: _____

Date: _____
 M _____

Directions:

- Solve each equation using the quadratic formula, write out the formula for each problem.
- Be sure to show all steps and substitution.



<p>1. .</p> $x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$ $x = \frac{\pm \sqrt{(\quad)^2 - 4(\quad)(\quad)}}{2(\quad)}$ $x = \frac{\pm \sqrt{\quad}}{(\quad)} = \begin{matrix} \nearrow \\ \searrow \end{matrix}$ <p>$x = \{ \quad \}$</p>	<p>a = _____ b = _____ c = _____</p> <p>2.)</p> $x = \frac{\pm \sqrt{(\quad)^2 - 4(\quad)(\quad)}}{2(\quad)}$ $x = \frac{\pm \sqrt{\quad}}{(\quad)} = \begin{matrix} \nearrow \\ \searrow \end{matrix}$ <p>a = _____ b = _____ c = _____</p>
<p>3.)</p> $x = \frac{\pm \sqrt{(\quad)^2 - 4(\quad)(\quad)}}{2(\quad)}$ $x = \frac{\pm \sqrt{\quad}}{(\quad)} = \begin{matrix} \nearrow \\ \searrow \end{matrix}$	<p>a = _____ b = _____ c = _____</p> <p>4.)</p> $x = \frac{\pm \sqrt{(\quad)^2 - 4(\quad)(\quad)}}{2(\quad)}$ $x = \frac{\pm \sqrt{\quad}}{(\quad)} = \begin{matrix} \nearrow \\ \searrow \end{matrix}$ <p>a = _____ b = _____ c = _____</p>
<p>5.)</p> $x = \frac{\pm \sqrt{(\quad)^2 - 4(\quad)(\quad)}}{2(\quad)}$ $x = \frac{\pm \sqrt{\quad}}{(\quad)} = \begin{matrix} \nearrow \\ \searrow \end{matrix}$	<p>a = _____ b = _____ c = _____</p> <p>6.)</p> $x = \frac{\pm \sqrt{(\quad)^2 - 4(\quad)(\quad)}}{2(\quad)}$ $x = \frac{\pm \sqrt{\quad}}{(\quad)} = \begin{matrix} \nearrow \\ \searrow \end{matrix}$ <p>a = _____ b = _____ c = _____</p>