## Completing the Square A2

Name $\qquad$ ANSWERS
Directions: Find a path through the maze leading to the interior of the square. Then solve each quadratic equation by completing the square.

5. Explain why it is necessary to have the leading coefficient of $x$-squared be one.

The process of taking half of the middle term and squaring it to form a perfect square trinomial will not "work" if the leading coefficient is not one. Unfortunately, there is no short cut method to quickly form a perfect square trinomial when the leading coefficient is not one.

NOTE: different methods of presentation have been shown when the leading coefficient was not one (divide the equation by the leading coefficient OR factor out the leading coefficient).

