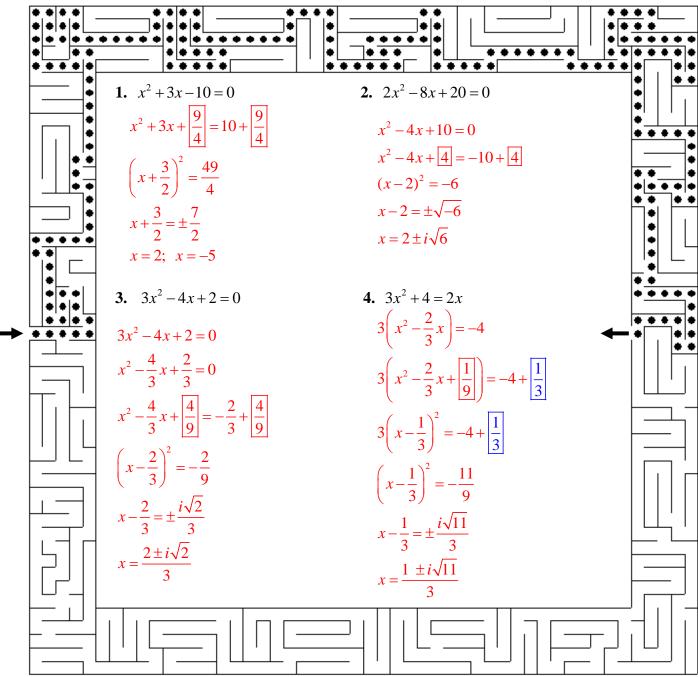
Completing the Square A2

Name____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).