

Completing the square and vertex form (AASL 2.6)

Title: The Treasure Map - Finding the Vertex through Completing the Square

Concept: Completing the Square and Vertex Form of Quadratic Equations



Intuition Pump: Imagine you're a treasure hunter with an old map, which has clues scattered across it. The treasure is hidden at a specific spot marked by an 'X'. To find the 'X', you need to rearrange and simplify the clues. In the context of a quadratic equation, the 'X' represents the vertex of the parabola, and completing the square is the method you use to rearrange and simplify the equation to find this critical point.