Vocabulary: Zap It! Game

📖 Vocabulary

- Parabola – the graph of a quadratic function.

- Quadratic function – a function in which y depends on the square of x.

  - Graphs of quadratic functions are *parabolic*.

  - The polynomial form of a quadratic function is $y = ax^2 + bx + c$.

    - In polynomial form, the function graphed above is $y = x^2 - 4x + 1$.

  - The vertex form of a quadratic function with a vertex at (h, k) is $y = a(x - h)^2 + k$.

    - In vertex form, the function graphed above is $y = (x - 2)^2 - 3$, with its vertex at $(2, -3)$.