Completing the Square Stations

Name: _____ **Date:** _____

Purpose: Be able to execute the steps of completing the square to write quadratics in vertex form and determine the minimum or maximum and to determine the zeros of a quadratic.

Very Important: DO NOT WRITE ON ANY OF THE CARDS. Use scrap paper if you need some space to work out the problem. Before you leave, mix up the order of the steps for the next group.

Directions: When your group has agreed upon a sequence for the steps, copy them in the correct table below. Include a description of each step (how did you get from the previous step to this one). Be sure to identify the vertex form of the quadratic as well as what the zeros mean.

Completing the Square Stations

STATION

Algebraic Step	How did I get from the previous step?
	Original equation

Vertex:

Solution(s):

STATION

Algebraic Step	How did I get from the previous step?
	Original equation

Vertex:

Solution(s):

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STATION

Algebraic Step	How did I get from the previous step?
	Original equation

Vertex:

Solution(s):

STATION

Algebraic Step	How did I get from the previous step?
	Original equation

Vertex:

Solution(s):

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Now that you have solved several quadratic equations by completing the square, write a brief description of the process that was used to solve the problems.

_____

_____

_____

_____

_____

When it comes to solving quadratic equations by completing the square...

I still have questions on: _____

_____

_____

I am confident with: _____

_____

_____

When you're just talking about completing the square, I could...

- ❏ teach anyone how to do this
- ❏ work with someone and figure out the problem
- ❏ really use some additional practice so that I can get better