Quadratic Graphs Card Sort Standard Form

Description

This activity gives student cards that have equations, vertex, opens up or down, domain, range, axis of symmetry, y-intercept, x-intercepts, and graphs on them. Students must make sets of these with the 9 cards that are related.

Prep Work

Print and cut out a set of cards for each group of students. Two students per group. This will take about an hour. Use card stock so you can use the card sets over again. Rubber band each set together.
File: 4.7 Quadratic Graph Card Sort Standard Form.pdf

Instructions

- **Pre Activity**

None

- **Activity**

Give each group a set of cards.
Have the groups lay out the equation cards.
Next have the groups match the vertex and opens up or down cards to the equations.
Next have the groups match the axis of symmetry and intercepts cards to the sets of cards already laid out.
Next have the groups match the graphs to the sets of cards already laid out.
Finally have the groups match the domain and range to the sets of cards already laid out.

- **Post Activity**

Small discussion of the characteristics of a parabola and the standard form.

Time Required

15 minutes