

Classifying Solutions to Systems of Equations Activity

Description

This activity involves connecting the graph, equation and a table of values for linear equations and then using pairs of these to find solutions to systems of equations.

Prep Work

Photocopy, cut up and organize the card sets. Have enough sets for groups of 2-3 students. Groups of 2 students are preferred. I sometimes reduce the number of cards in card set B arrows to just one Infinitely many solutions and one no common solution and 4 one common solution arrows.

Instructions

This is a complete lesson created by the Mathematics Assessment Resource Service (MARS)

It can be found at <http://map.mathshell.org/lessons.php?unit=8220&collection=8>

Please read the lesson plan that comes with the activity. You may want to consider reducing the number of graphs you give the students to save time.

- **Pre Activity**

There is a pre-activity worksheet to have students complete before the actual activity.

- **Activity**

Please read the lesson plan that comes with the activity.

- **Post Activity**

There is a post activity worksheet that you can choose to have students complete to assess their learning.

Time Required

15 minutes before the lesson

60 minutes during the activity

10 - 15 minutes follow-up
