

Lesson 3.03 Analyzing Graphs – Linear Equations & Linear Inequalities

Overview

The goal of this lesson is given a graph plotting a system of linear equations, students will write the system of linear equations for the lines and provide the correct solution of the system.

By the end of this lesson you will be able to graph systems of linear equations and linear inequalities.

Review of Prior Learning – Prepare For This Topic

Remember:

A system of linear equations whose graphs intersect has only one solution.

A system of linear inequalities whose graphs intersect has an infinite number of solutions.

$<$ means “less than”

$>$ means “greater than”

\leq means “less than or equal to”

\geq means “greater than or equal to”

My steps for lesson 3.03
Rational and Irrational Numbers

1. Take preassessment on the Pearson site
2. Navigate to the lesson page and watch the graphing linear equations and inequalities video
3. Complete the homework .pdf assignment.
4. Log on to Apangea and complete the irrational numbers thread
5. Take postassessment on the Pearson site
6. Blog my reflective summary and post the link to the discussion board.
7. Respond to two classmates' blog entries.

Navigate to the Pearson/Prentice Hall site to take your preassessment. Record your score (self assessment).

Instruction

1. Watch the instructional video on graphing linear equations and inequalities.

Practice

Give it a Try –

1. From the graphs found on the homework assignment, write the system of linear equations and linear inequalities for the lines and provide the correct solution of the system.
2. Continue the linear equation thread in Apangea.

If you experience login errors, or you do not have your assigned username and password, please let me know via e-mail.

Assess

1. Navigate to the Pearson/Prentice Hall site to take your postassessment. Record your score (self assessment).

Reflect

(Blog assignment) – Topic:

1. What was the difference in scores between the preassessment and post assessment?
2. Explain the similarities and differences between graphing an inequality on a coordinate plane and graphing an inequality on a number line.
3. Post the URL to your blog on the discussion forum.