

Ma 093 ~ Inequalities PreTest Study Guide

For this test, you will have to demonstrate proficiency in the following skills:

- Solving absolute value equations (Ex: $|x + 2| = 5$) Hint: There are 2 answers!
- Solving inequalities (Ex: $2x + 5 < 9$) (*review from 091*)
- Graphing inequalities with one variable on a number line (Which way should the arrow point? Should the endpoint be an open or a filled circle?) (*review from 091*)
- Solving absolute value inequalities (Ex: $|x + 2| < 5$) Hint: The answers fall inside or outside a range of numbers.
- Identifying points that satisfy an inequality with 2 variables (Ex: $3x - 2y > 16$)
- Graphing an inequality with 2 variables on a Cartesian plane
- Graphing 2 inequalities with 2 variables on a Cartesian plane and determining where they overlap
- Applying any of the above to a real-world situation