

Name: _____ Date: _____ Row: _____ Period: _____

NOTES SECTION 2.6 – LINEAR INEQUALITIES IN TWO VARIABLES

LINEAR INEQUALITY IN TWO VARIABLES

EXAMPLE 1

Check whether the ordered pair is a solution of $4x - 2y \geq 8$.

a)

b)

THE GRAPH OF A LINEAR INEQUALITY

GRAPHING A LINEAR INEQUALITY

EXAMPLE 2

Graph

a)

b)

EXAMPLE 3**YOUR TURN****EXAMPLE 4**

You have _____ to spend on CDs and DVDs. CDs cost \$10 and DVDs cost \$15.

a) Write a linear inequality in two variables to represent the number of CDs x and DVDs y you can buy.

b) Graph the inequality. List three possible solutions for the real-life situation.