

Math 1303 - Math in the Liberal Arts

Homework #6 - 2005.11.16

Due Date - 2005.11.28

1. Shade the region in the cartesian coordinate plane which satisfies **BOTH** of the following inequalities:

$$\begin{cases} x + y \geq 0 \\ 2x - y > 0 \end{cases}$$

2. Shade the region in the cartesian coordinate plane which satisfies **ALL** of the following inequalities:

$$\begin{cases} 2x + y < 22 \\ x + y \leq 13 \\ 2x + 5y < 50 \\ x \geq 0 \\ y \geq 0 \end{cases}$$