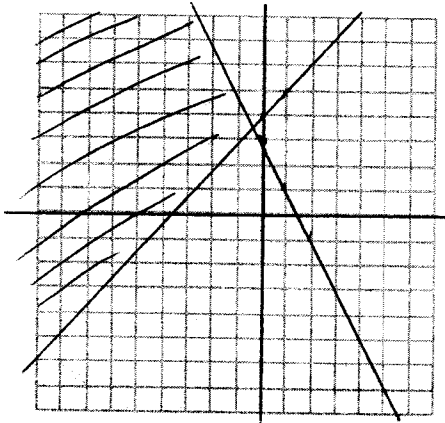


Lesson 6: The Solution of a System of Linear Inequalities Part 2

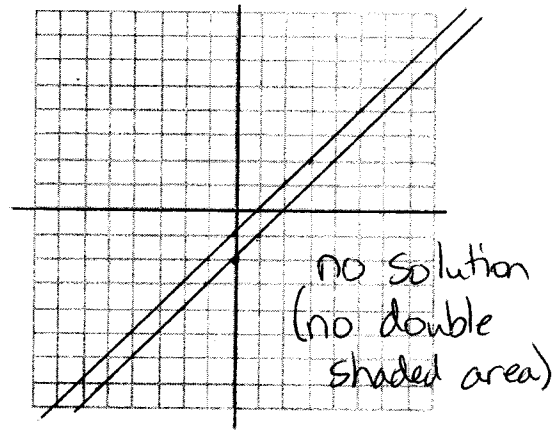
When graphing using the calculator we can use the reverse shading button (to the left of the Y=) to make it easier to find the solution. Note: the direction of the sign tells you where to shade.

Determine the solution to the following using the calculator:

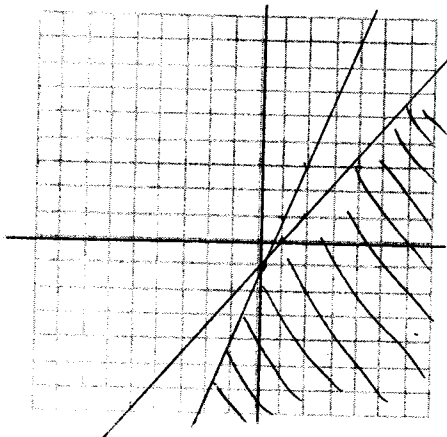
1) $y \geq x + 4$
 $y \leq 2x + 3$



(2) $y \geq x - 1$
 $y \leq x - 2$



3) $x - y \geq 1$ $-y \geq -x + 1$ $y \leq x - 1$
 $2x - y \geq 1$ $-y \geq -2x + 1$ $y \leq 2x - 1$



(4) $2x + y \leq 10$ $y \leq -2x + 10$
 $y - x \leq 2$ $y \leq x + 2$
 $x \geq 0, y \geq 0$

