

# Algebra

## Linear Inequalities

### YAY MATH!

Students will be able to complete the following problems while watching the video.  
Print this sheet and work along with the class!

$$x + 2y < 5$$

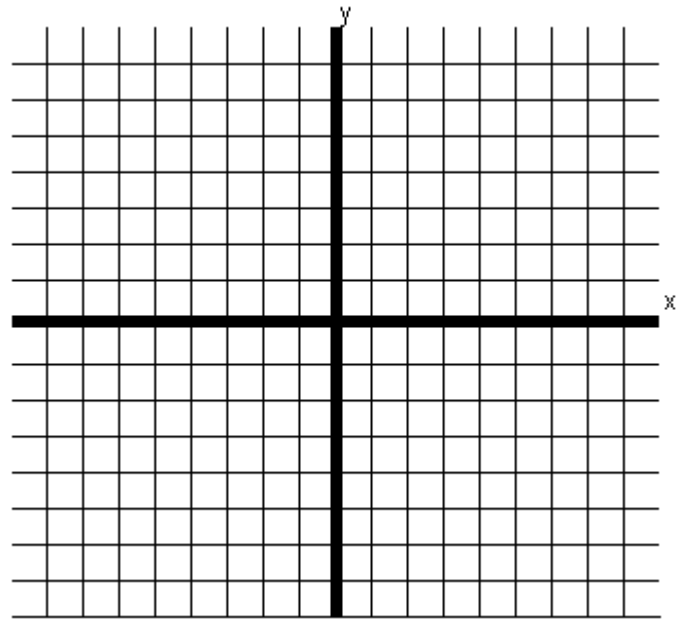
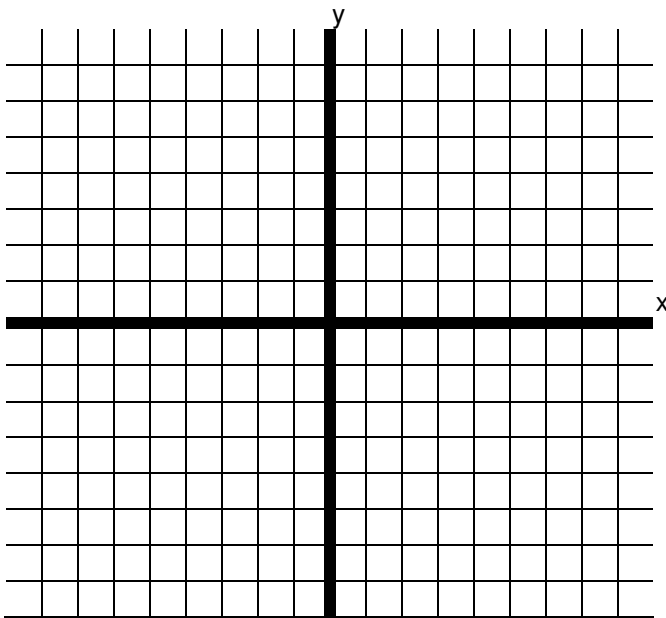
Are the following points solutions to the inequality to the left?

$$(0, 0)$$

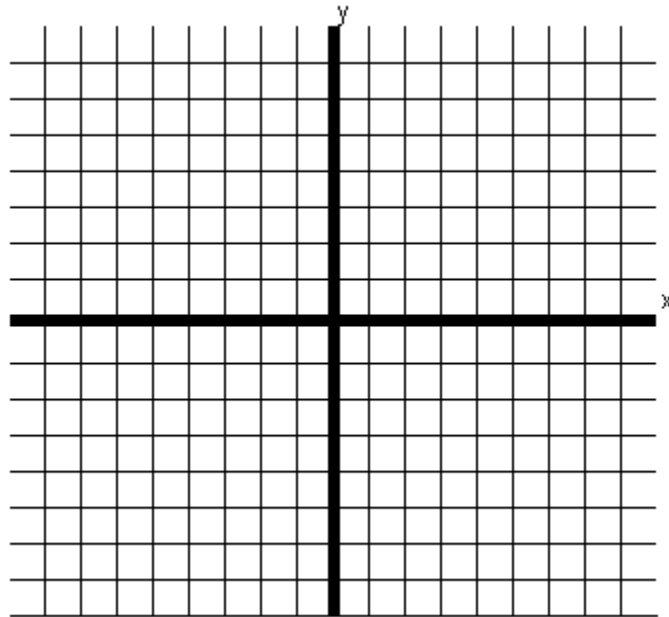
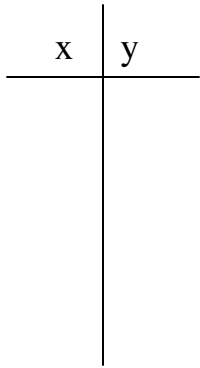
$$(3, -4)$$

$$y + 1 < 4$$

$$y > 2x - 3$$



$$y \leq |x|$$



We have \$35 (or less) to spend on CD's and DVD's.

CD's are \$7 each, and DVD's are \$14 each. What is the inequality that represents this situation?

$$7c + 14d \leq 35$$

