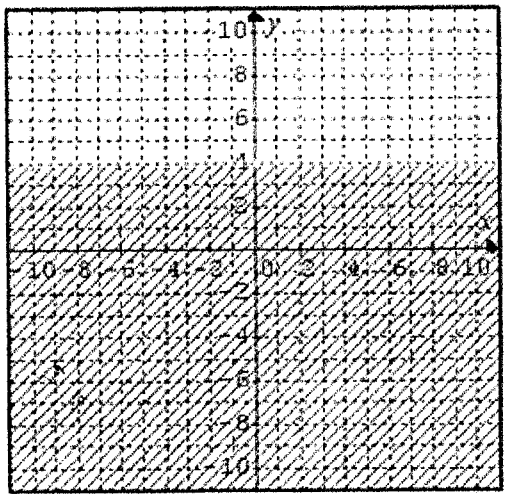
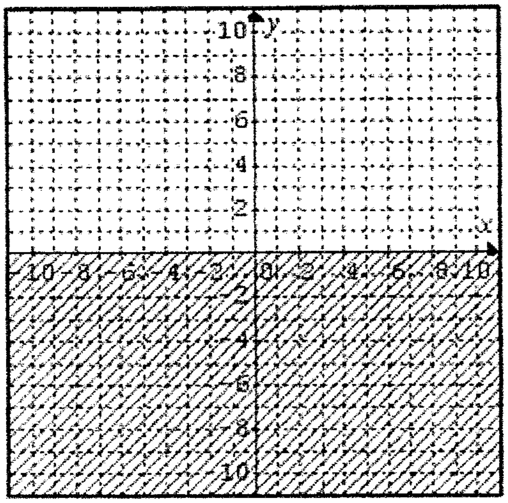
Question 1 (Multiple Choice Worth 1 points)

Which of the following inequalities matches the graph?



- x > 4
- x < 4
- y > 4
- y < 4

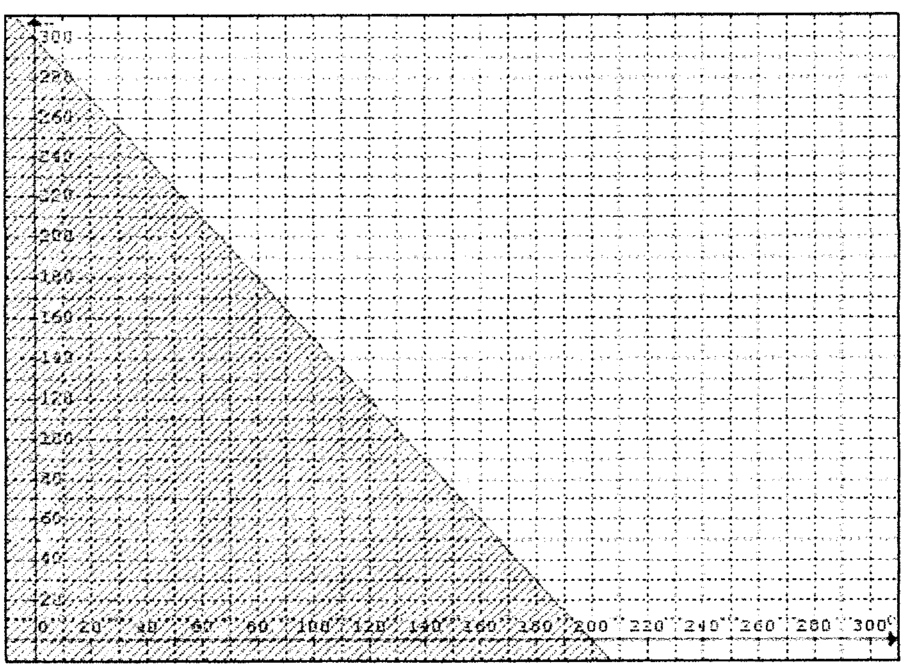
#2 what ... inequalities matching the graph?



- $x \leq 0$
- $x \geq 0$
- $y \leq 0$
- $y \geq 0$

Question 3 (Multiple Choice Worth 2 points)

The non-profit organization you volunteer for is throwing a fundraiser cook out. You are in charge of buying the hamburgers, which cost \$3 per pound and hotdogs, which cost \$2 per pound. The meat budget you are given totals \$600. The inequality $3x + 2y \leq 600$ represents the possible combinations of pounds of hamburgers (x) and hotdogs (y) you can buy.

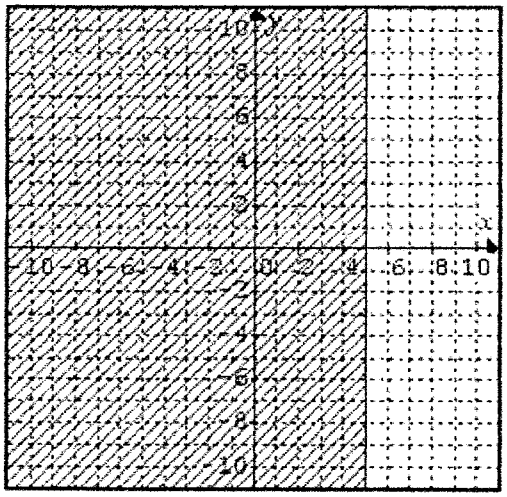


Which of the following represents a solution to the inequality?

- 200 pounds of hamburgers and 140 pounds of hotdogs
- 150 pounds of hamburgers and 60 pounds of hotdogs
- 100 pounds of hamburgers and 240 pounds of hotdogs
- 240 pounds of hamburgers and 40 pounds of hotdogs

Question 4 (Multiple Choice Worth 1 points)

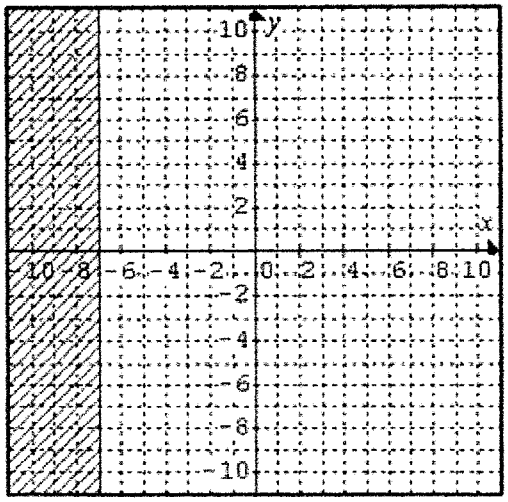
Which of the following inequalities matches the graph?



- $x \leq 5$
- $x \geq 5$
- $y \leq 5$
- $y \geq 5$

Question 5 (Multiple Choice Worth 1 points)

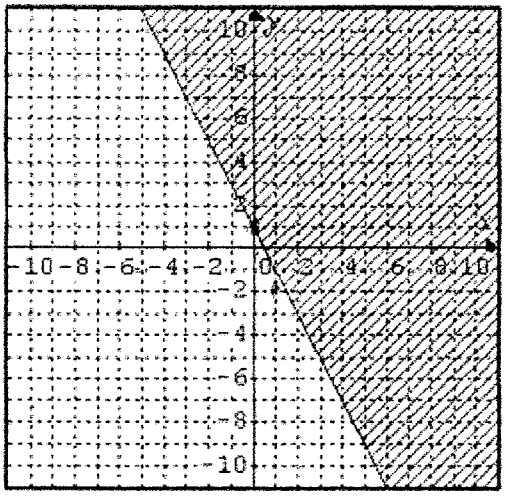
Which of the following inequalities matches the graph?



- $x \geq -7$
- $x \leq -7$
- $y \leq -7$
- $y \geq -7$

Question 6 (Multiple Choice Worth 1 points)

Which of the following inequalities matches the graph?



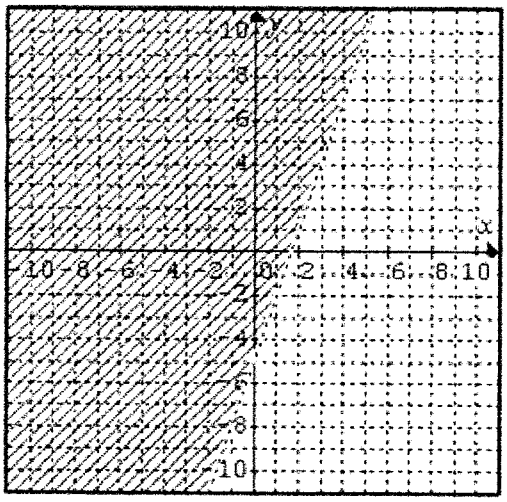
- $y \geq -2x + 1$
- $y > -2x + 1$
- $y \leq -2x + 1$

(0,1)
(-2,1)

The correct inequality is not listed.

Question 7 (Multiple Choice Worth 1 points)

Which of the following inequalities matches the graph?



$y \geq 3x - 5$

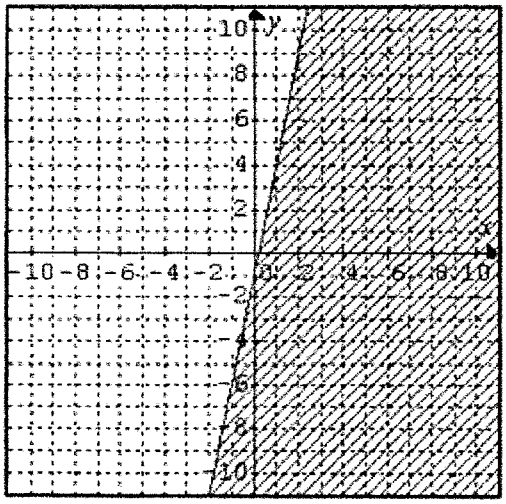
$y < 3x - 5$

$y < \frac{1}{3}x - 5$

The correct inequality is not listed.

Question 8 (Multiple Choice Worth 1 points)

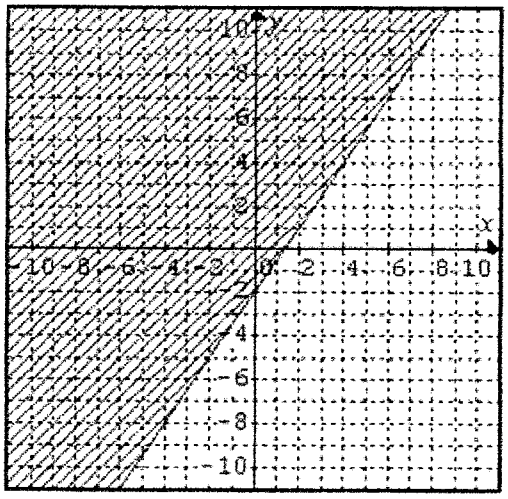
Which of the following inequalities matches the graph?



- The correct inequality is not listed.
- $5x + y \geq 1$
- $5x + y \leq 1$
- $5x - y \geq 1$

Question 9 (Multiple Choice Worth 1 points)

Which of the following inequalities matches the graph?



- $3x - 2y \geq 4$
- $3x - 4y \leq 2$
- $3x - 2y \leq 4$

O the correct graph is not listed