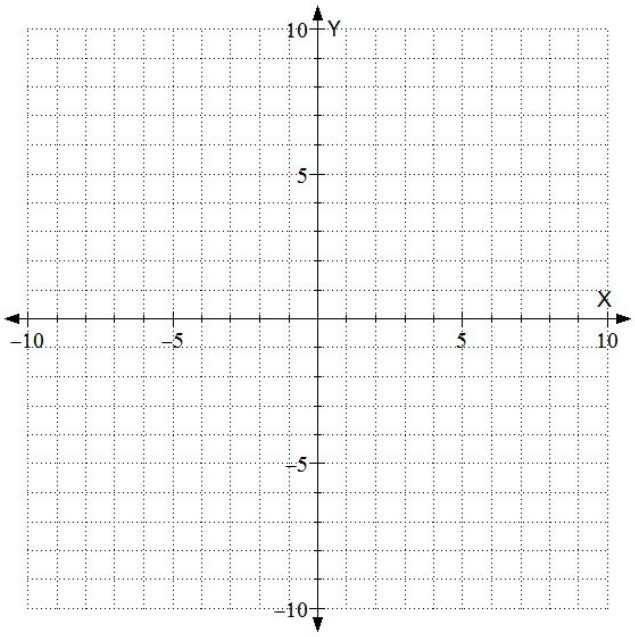
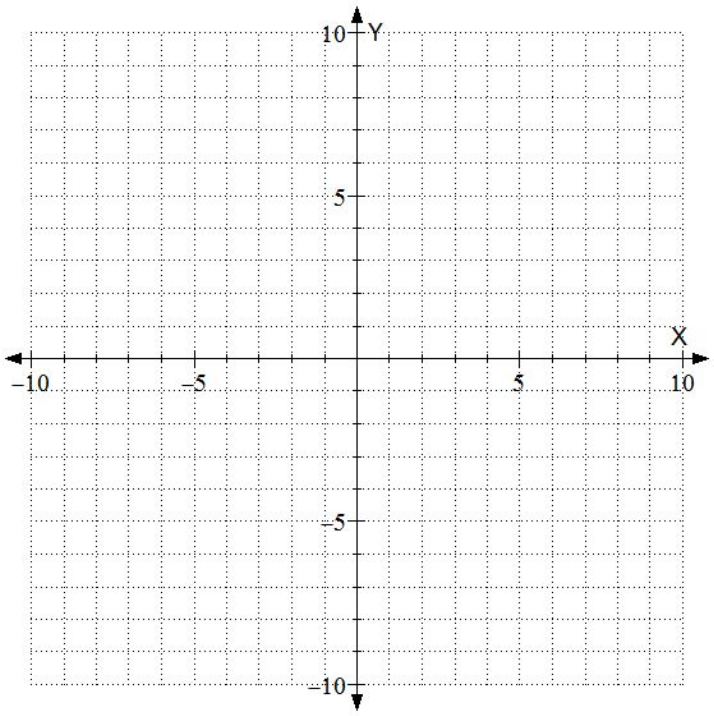
Name _____ Date _____ Hour _____

9.2 Assignment

1. Graph the following inequality. Show the equation in slope-intercept form before graphing. $2x-3y \geq 9$



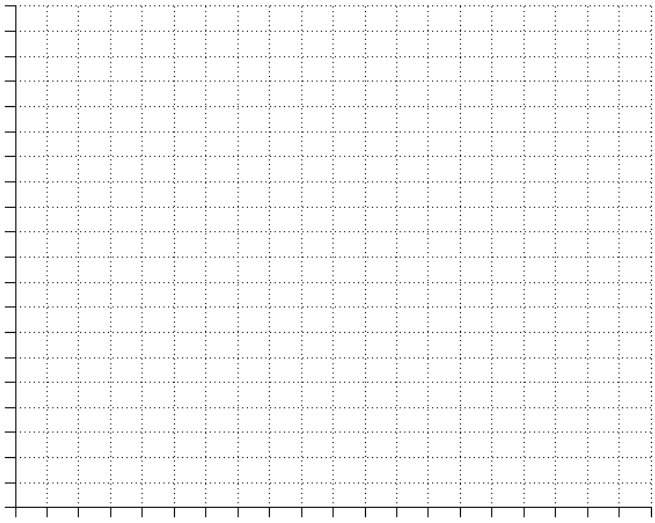
2. Graph the following inequality. Show the equation in slope-intercept form before graphing. $-2x-y < 3$



Name _____ Date _____ Hour _____

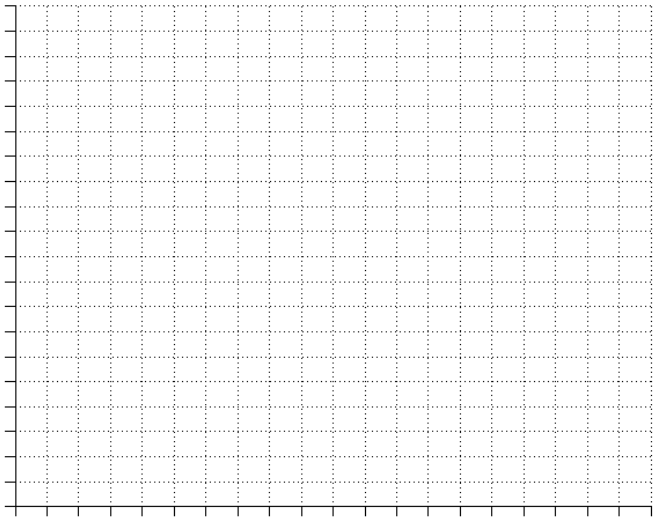
3. Graph the following inequalities. Show the equations in slope-intercept form before graphing.

$x \geq 0$; $y \geq 0$; $x+2y \leq 16$; $3x+2y \leq 24$



4. Graph the following inequalities. Show the equations in slope-intercept form before graphing.

$x \geq 0$; $y \geq 0$; $x+y \leq 60$; $6x+30y \leq 600$



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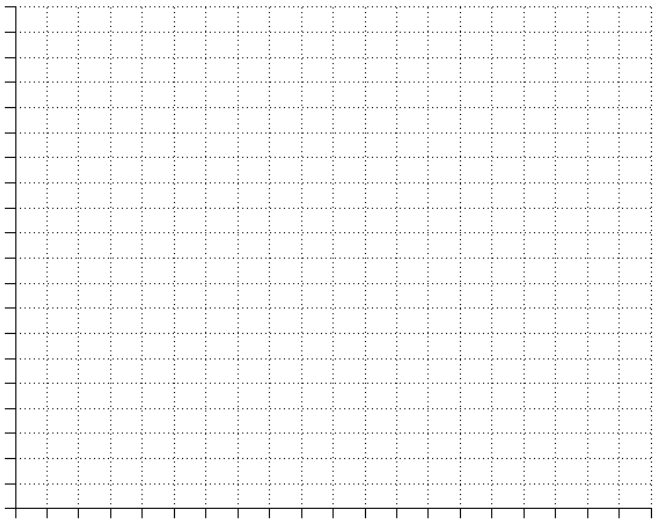
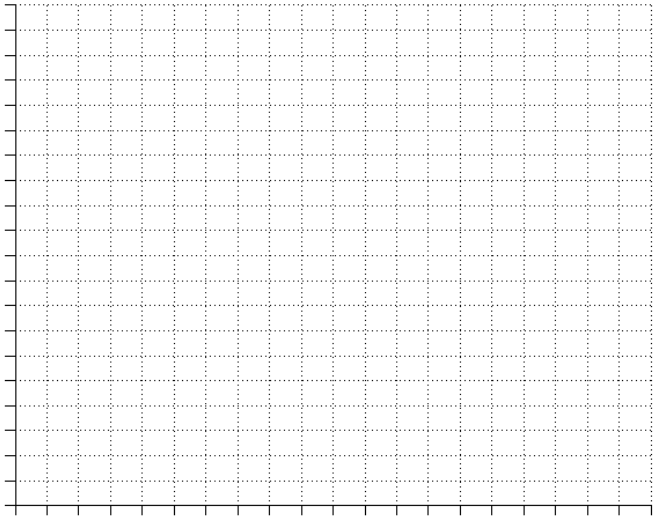
5. Graph the following inequalities. Show the equations in slope-intercept form before graphing.

$x \geq 0$; $y \geq 0$; $10x+5y \geq 1000$; $5x+15y \geq 800$



6. Graph the following inequalities. Show the equations in slope-intercept form before graphing.

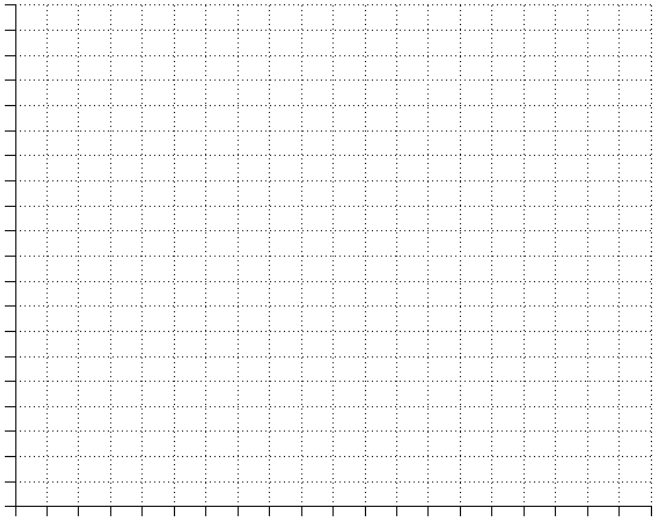
$x \geq 0$; $y \geq 0$; $x+y \leq 300$; $x+3y \leq 360$



Name _____ Date _____ Hour _____

7. Graph the following inequalities. Show the equations in slope-intercept form before graphing.

$x \geq 0$; $y \geq 0$; $10x+30y \geq 140$; $20x+15y \geq 145$



8. Graph the following inequalities. Show the equations in slope-intercept form before graphing.

$x \geq 0$; $y \geq 0$; $2x+3y \leq 12$; $6x+3y \leq 18$