

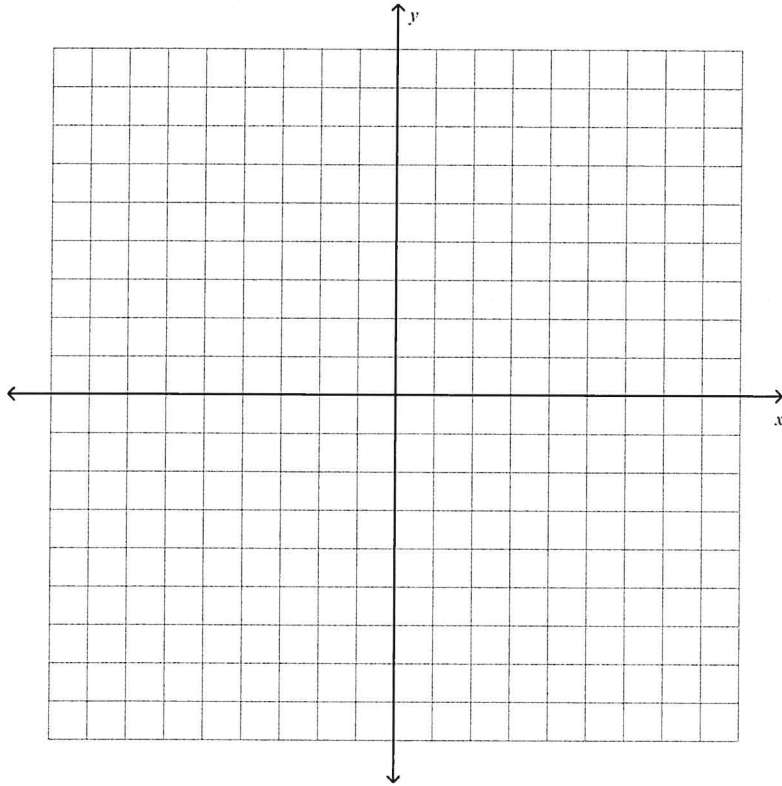
Name: _____ Class: _____ Date: _____

Algebra 2 CP Page 166 #12, 14, and 16

Find the minimum and maximum values of the objective function subject to the given constraints.

1. Objective Function: $C = 2x + 3y$

Constraints: $x \geq 0$
 $y \geq 0$
 $x + y \leq 9$



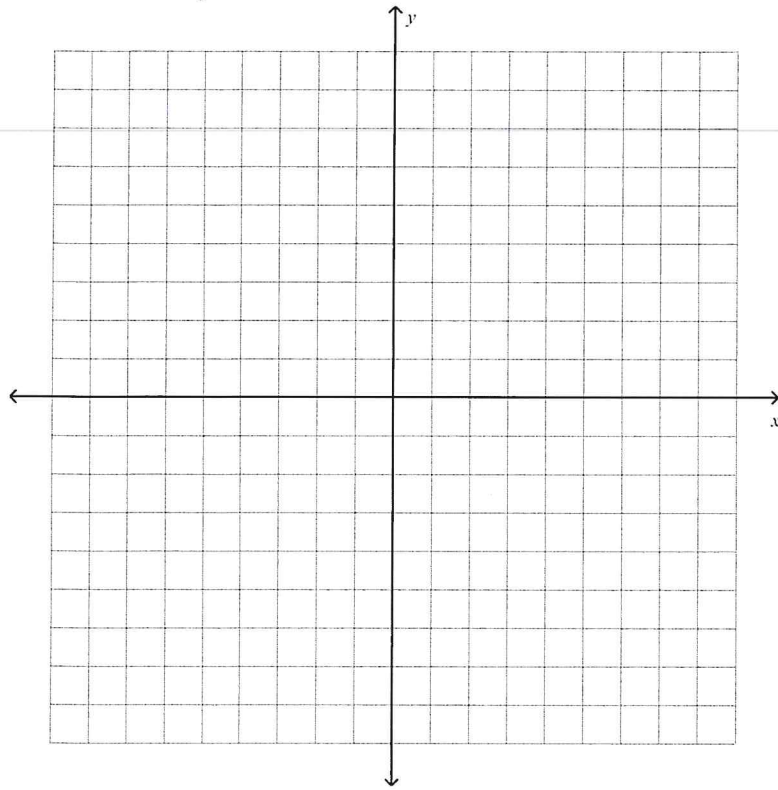
2. Objective Function: $C = 2x + y$

Constraints: $x \geq -5$

$x \leq 0$

$y \geq -2$

$y \leq 2$



3. Objective Function: $C = -2x + y$

Constraints: $x \geq 0$

$y \geq 0$

$x + y \geq 7$

$5x + 2y \geq 20$

