#07 SA Linear Inequalities

Total points 8/8 ?

Name *

....

Section *

[▼]

✓ *   1/1

The solution region of the system of inequalities $x > 0, y < 0$ is

🔘 the fourth quadrant   ✓

⭕ the third quadrant

⭕ the second quadrant

✓ *   3/3

The solution region of the system of inequalities $2x + y \geq 8, \ x + 2y \geq 10, \ x \geq 0, y \geq 0$ is

○ a quadrilateral region

○ a triangular region

◉ an unbounded region ✓

✓ * 3/3
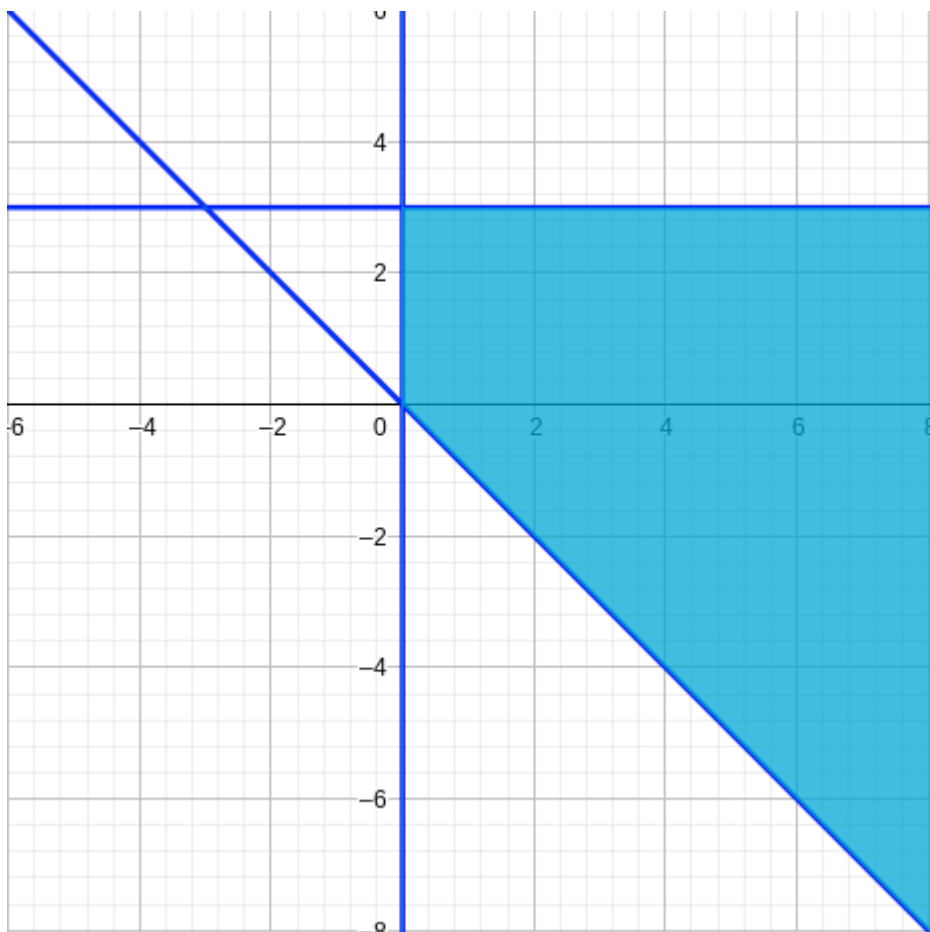
The system of inequalities $x + 2y \le 3$, $3x + 4y \ge 12$, $x \ge 0, y \ge 1$ has

○ bounded region as its solution region

○ unbounded region as its solution region

◉ has no solution ✓

✓ Which of the following system of inequalities has the shaded blue region 1/1 as the solution region? *

$x + y \le 0, \ x \ge 0, y \ge 3$

$x + y \ge 0, \ x \ge 0, y \ge 3$

○ Option 1   ○ Option 2

$$x + y \geq 0, \; x \geq 0, y \leq 3$$

◉ Option 3   ✓

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