

#03 SA Linear Inequalities

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The solution set of the following system of linear inequalities : $\frac{x}{2} - \frac{x+3}{3} < 1, 1 - x - \frac{1}{2}(2x - 1) < 2$ is

$$(-\infty, 12)$$

 Option 1

$$\left(-\frac{1}{4}, \infty\right)$$

 Option 2

$$\left(-\frac{1}{4}, 12\right)$$

 Option 3

*

1 point

The solution set of the following system of linear inequalities : $\frac{x+3}{3} \geq 1-2x$, $\frac{1-2x}{3} - \frac{1}{2}(2x+5) < 2$ is

$$[0, \infty)$$

 Option 1

$$\left(-\frac{5}{2}, 0\right]$$

 Option 2

$$\left(-\frac{5}{2}, \infty\right)$$

 Option 3

*

2 points

The solution set of the following system of linear inequalities : $\frac{2x-3}{3} \leq \frac{1}{2}\left(\frac{2}{3}-2x\right)$, $\frac{3}{4}-\frac{2x-1}{2} \geq \frac{x}{3}$, is

$$\left(-\infty, \frac{15}{16}\right)$$

 Option 1

$$\left[\frac{4}{5}, \frac{15}{16}\right]$$

 Option 2

$$\left(-\infty, \frac{4}{5}\right]$$

 Option 3

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