# #01 SA Linear Inequalities

Total points   5/5   ?

Name *

_____

Section *

[                    ▼ ]

✓ The solution set of the linear inequality 5x – 3 < 3x + 3, when x is an integer, is                                                1/1
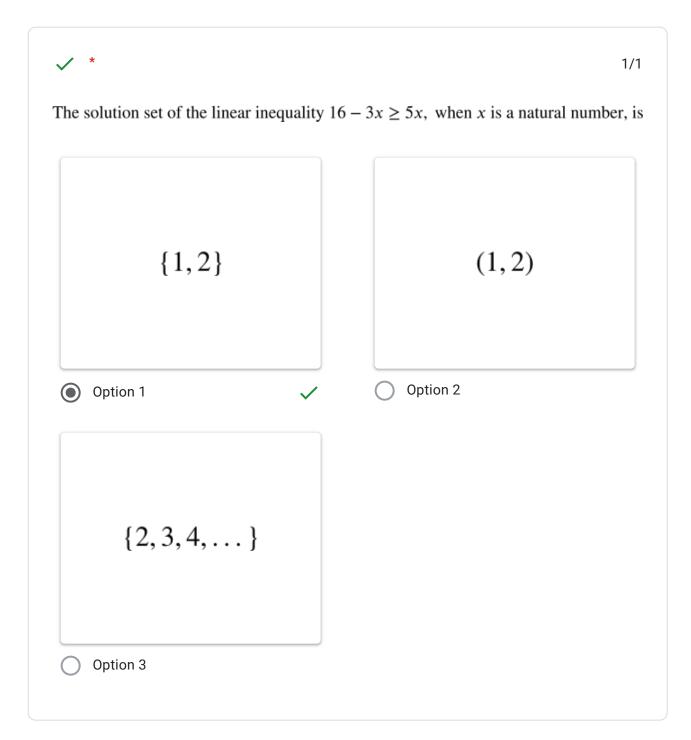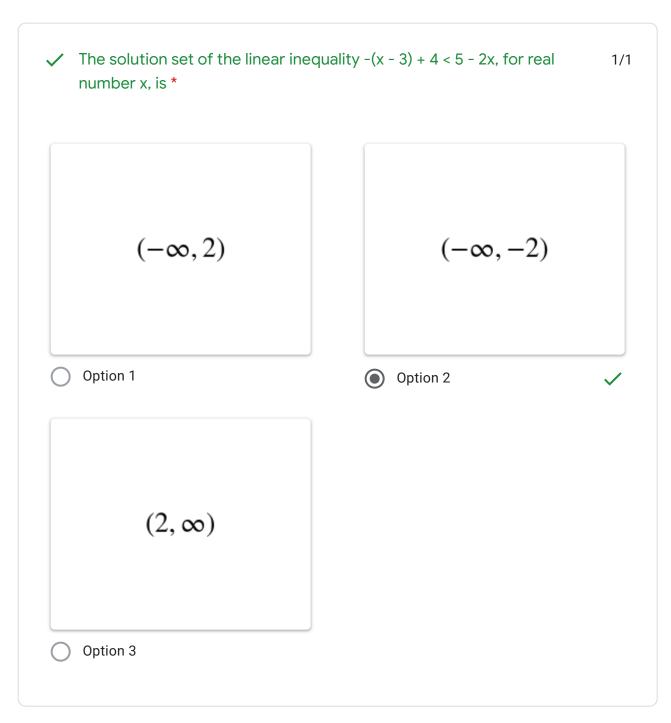
$$(-\infty, 2)$$

○ Option 1

$$\{1, 2\}$$

○ Option 2

$$\{\ldots, -2, -1, 0, 1, 2\}$$

◉ Option 3                          ✓

✓ *

The solution set of the linear inequality $16 - 3x \geq 5x$, when $x$ is a natural number, is

$$\{1, 2\}$$

$$(1, 2)$$

◉ Option 1 ✓ ○ Option 2

$$\{2, 3, 4, \dots\}$$

○ Option 3

✓    *

The solution set of the linear inequality $2(2x+3) - 10 \leq 6(x-2)$, for real number $x$, is

$$[4, \infty)$$

$$(-\infty, 4]$$

◉ Option 1                        ✓        ◯ Option 2

$$\{4, 5, 6, \dots\}$$

◯ Option 3

✓  The solution set of the linear inequality -(x - 3) + 4 < 5 - 2x, for real          1/1
   number x, is *

$(-\infty, 2)$

$(-\infty, -2)$

○ Option 1

◉ Option 2                                                                              ✓

$(2, \infty)$

○ Option 3

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