#02 SA: Linear Inequalities

Total points 10/10

Name

.....

Section *

✓ *

2/2

The solution set of the linear inequality $4 + x \leq \frac{1}{2}(3x + 1)$ is

$(-\infty, 7]$

Option 1

$(7, \infty)$

Option 2

$[7, \infty)$

Option 3 ✓

✓ *

4/4

The solution set of the linear inequality $4 + \frac{x}{2} \leq \frac{2x+1}{3} - \frac{x+4}{2}$ is

$(-\infty, -17]$

Option 1 ✓

$(-\infty, -5]$

Option 2

$[-17, \infty)$

Option 3

✓ *

2/2

The solution set of the linear inequality $2 \leq 3 - 2x \leq 4$ is

$\left[-\frac{1}{2}, \frac{1}{2}\right]$

Option 1 ✓

$\left[\frac{1}{2}, -\frac{1}{2}\right]$

Option 2

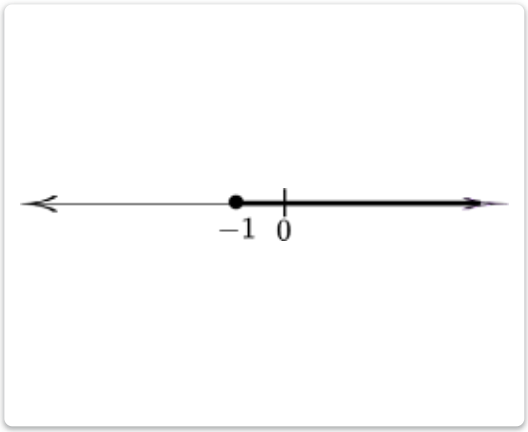
$\left(-\frac{1}{2}, \frac{1}{2}\right)$

Option 3

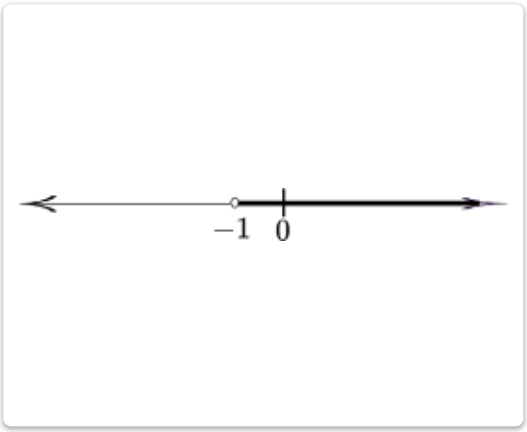
✓ *

2/2

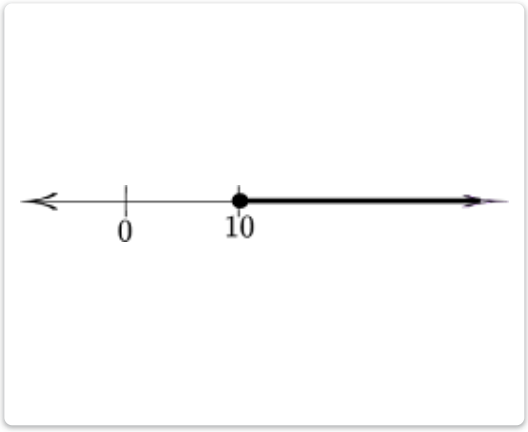
The graphical representation of the solution set on the number line of the linear inequality $\frac{1}{2}(3x+1) > \frac{2x-1}{3}$ is



Option 1



Option 2 ✓



Option 3