

# Solving Systems with Two Variables

$$x = (-3/2)y - 3$$

$$-11y = 22$$

## The Approach

Solve for  $x$  in terms of  $y$  in EQ1

**Substitute result for  $x$  in EQ2 and solve for  $y$**

Substitute result for  $y$  in EQ1 and solve for  $x$

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$$x = (-3/2)y - 3$$

$$y = -2$$

## The Approach

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**Substitute result for  $x$  in EQ2 and solve for  $y$**

Substitute result for  $y$  in EQ1 and solve for  $x$