Lesson 1.7: Explaining Steps for Rewriting Equations
Lesson Synthesis

Examine the following sets of equations.

Set A

$$5(x - 3) = 5$$
$$x - 3 = 1$$

Set B

$$5x - 3 = 5$$
$$5x = 2$$

Set C

$$5(x - 3) = 5x$$
$$x - 3 = x$$

Set D

$$(5 - 3)x = 5x$$
$$5 - 3 = 5$$

1. What move was made to the original equation to obtain the second equation?

2. Is the solution to the second equation the same as the solution to the original equation? Why does it stay the same or why does it change?