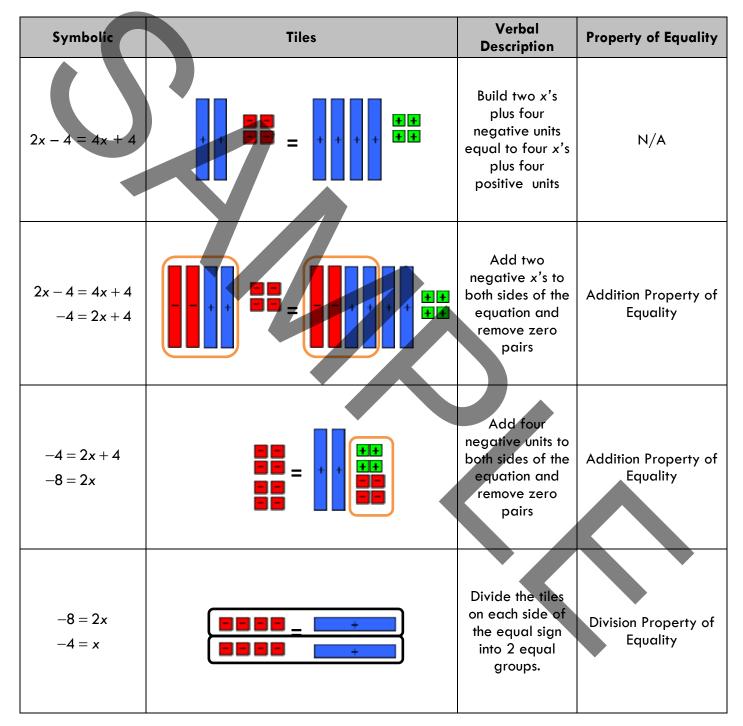


The equation 2x - 4 = 4x + 4 is solved using algebra tiles below.

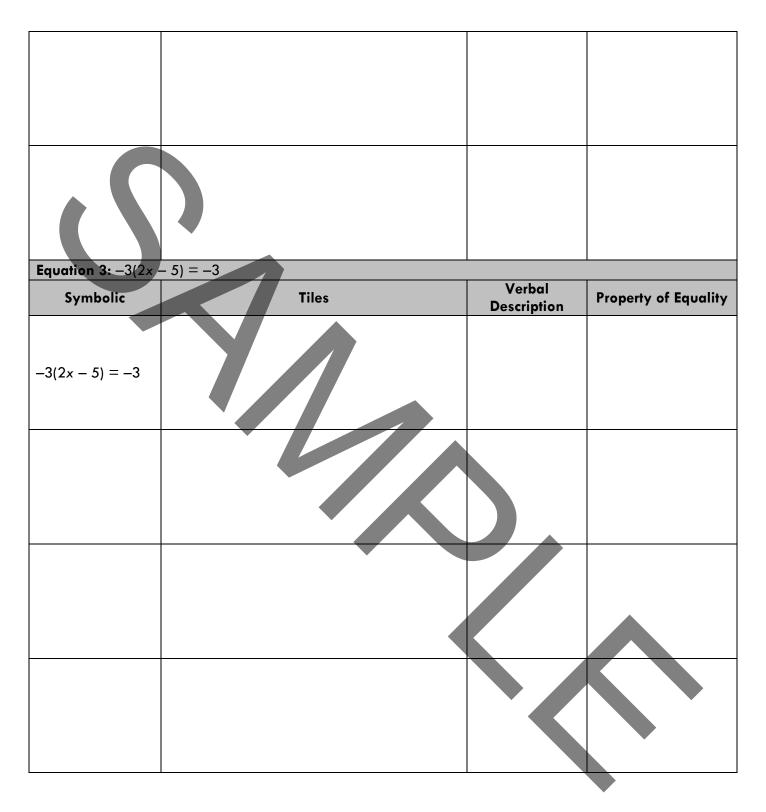




**Equation 1:** 5x - 3 = 2x + 6Verbal Symbolic Tiles **Property of Equality** Description 5x - 3 = 2x + 6**Equation 2:** 2(x - 3) = x + 2Verbal Property of Equality Symbolic **Tiles** Description 2(x-3) = x+2

Use algebra tiles to solve the following equations. Sketch the tiles at each step, write the verbal description of the actions you made with the tiles, and identify the property of equality that justifies those actions.

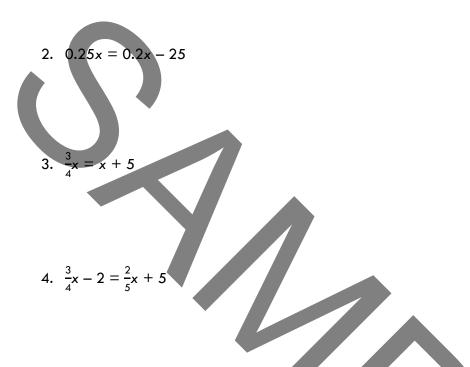






Use what you learned about solving equations with integer coefficients and variables on both sides of the equal sign to solve the following equations.

1. 
$$0.2x - 4 = 0.4x + 4$$



## **Debriefing Questions**

- 1. How did the actions you took with the tiles compare to the symbolic representations?
- 2. How does solving equations with integer coefficients compare to solving equations with decimal coefficients?
- 3. How does solving equations with integer coefficients compare to solving equations with fractions as coefficients?

