Solving Equations With the Variable on Both Sides Mini Quiz Review

Directions: Be sure to show all work, communicate your thought process, and justify your reasoning. Remember to check that your answers are complete, correct, and reasonable. If you complete work on scrap paper, please attach it. This quiz is worth 20 points.

Solve each equation. Check your solution.

> *One of the equations is an identity, and one of the equations has no solution. Make sure that you identify each of these!* ☺

1. $-8x + 9 = 4x - 3$	2. $3(2x - 7) = 6x - 7$
3. $5x - 19 = 3x - 17$	4. $-2(x + 4) = -2x - 8$

5. $11(x + 5) = 5(2x - 8)$