Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Table # \_\_\_\_ Per \_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_

**1.0D HW** (Solving equations with variables on both sides. CCSS 8.EE.7b)

SOLVE THE FOLLOWING EQUATIONS.

\*\*\*Make sure to show work and check answers. If you get an answer correct, circle it and put a check mark next to the answer. If you get it wrong and can’t figure out what went wrong, write question marks next to your work.

|  |  |
| --- | --- |
| 1. 7k + 11 = 3k – 1 | 1. 2m – 4 = m |
| 1. 2(n – 3) = 4n + 1 | 1. 2x = 7x - 15 |
| 1. 2x + 4 = - (-7x + 6)   (HINT: when you see a negative sign without a value, put a 1) | 1. 2(4z – 1) = 3(2z + 2) |
| 1. 3(2w – 12) = 24w | 1. Find x. Then find the perimeter for the square. |

**BACK 🡪**

|  |
| --- |
| Challenge question:  The perimeter of the rectangle is EQUAL to the perimeter of the square. What are the side lengths and widths of each figure?    SQUARE: length = \_\_\_\_\_ width = \_\_\_\_\_ RECTANGLE: length = \_\_\_\_\_ width = \_\_\_\_\_ |

SOLUTIONS: 1) -3 2) 4 3) -3.5 4) 3 5) 2 6) 4 7) -2 8) x= 6 and perimeter=132