Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period\_\_\_\_\_\_\_

**Solving Equations WKS 4**

Find the solution to each of the following. Show work and properties.

1) 14 – (2x + 5) = -2x + 9 2) 6x + 1 = 6x – 8

3) -8x + 14 = -2(4x – 7) 4) y – 5 = -(5 - y)

5) a – 4a = 2a + 1 – 5a 6) 9x + 3x – 10 = 3(3x + x)

7) 18x – 5 = 3(6x – 2) 8) 9 + 5a = 2a + 9

9) 3(x – 4) = 3x – 12 10) 6x = 4(x + 5)

11)  12) 0 = 0.98b + 0.02b – b

13) 5m – 2(m+2) = -(2m + 15) 14) 