**Equations Review** Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Hour \_\_\_

Solving equations with **variables on both sides** and solving equations with **grouping symbols**.

**Use the distributive property to simplify each expression.**

1. -3(3x + 6) 2. -8(2 + x) 3. –(4b + 10)

**Solve and check each equation. Show your work.**

1. 3x + 4 = 5x + 10 2. 2a + 3 = ½(6 + 4a) 3. 4x – 5 = 2(2x + 1)

5. 14 - (2q + 5) = 2q + 9 6. a – 4a = 2a + 1 7. y – 5 = -(5 – y)

8. 2(4 – 2r) = -2(r + 5) 9. 2(n + 2) = 5n – 5 10. 3v + 8 = 8 + 2v + v