

## Variables on Both Sides Blitz Sept 24, 2015

Period \_\_\_\_\_

**Solve each equation. Write reason for each step. Check work for extra credit (15 points each)**

1)  $r - 4 + 3r = 2(1 + 2r) - 6(r + 5)$

2)  $4a - 7 + a + 3 = 4(5a + 7) + 4(6 - 2a)$

3)  $7(a + 4) = -5(2a + 8)$

4)  $27 - 2p = 8(7p - 4) + p$

5)  $4 + 4a = a + 1$

6)  $1 + 7b - 4 = -10 + b + 7 + 6b$