Math Enrichment 8th Grade

Name_____

Solving Equations Blitz #2 (Must Show Work for Full Credit) 9/17/15　　Period____

Simplify each expression. (15 points total)

1) $5(1 - 3r)$

2) $-4(p - 8) + 6p$

Solve each equation. (10 points each)

3) $n + 5 = 5$

4) $x - 11 = -22$

5) $\dfrac{r}{5} = 17$

6) $16n = -48$

7) A recipe for a cake calls for 6 cups of water. Perry accidentally put in 7 cups. How many extra cups did he put in?

8) Last week Norachai ran 20 miles more than Julia. Norachai ran 35 miles. How many miles did Julia run?

Solve each equation. (10 points each)

9) $3 - x = -2$

10) $2 + \dfrac{n}{7} = 0$

11) $r - 5 = -6 + r$

12) $7n + 3 = -7 - 3n$

13) $a - 5 + 1 = 10 - a$

14) $3 - 3p = 3 - 3p$