

Unit 3: Linear Equations

Name _____ Date _____ Period _____

Quiz Study Guide

Directions: Solve. Show ALL WORK and the CHECK to receive full credit.

1. $z + 7 = -12$

2. $\frac{x}{5} = -1$

3. $x - 8 = -3$

4. $3x = -3$

5. $\frac{2}{5}y = -10$

6. $13 = 0.13x$

7. $-2x + 3 = 25$

8. $2 + \frac{y}{7} = 1$

9. $4 = \frac{1}{3}z + 6$

10. $3 - 1.5x = 48$

Directions: Simplify each variable expression completely.

(3 points each)

11. $6x - 7 - 4x$ = _____

12. $76n - 14 + 4n$ = _____

13. $9(3x - 8)$ = _____

14. $-(y - 22)$ = _____

15. $5(2x + 7) - 18$ = _____