

Unit 3: Linear Equations

Name _____

Period _____ Date _____

Test Study Guide

Directions: For items #1-12 you must

- Solve each equation.
- Show ALL WORK to solve the equation.
- Show ALL WORK to CHECK the solution.
- If there is no solution or infinitely many solutions, state this. You do not need to do a check for these.

1. $\frac{y}{8} = -4$

2. $12 + z = 11$

Solution: _____

1...Check

Solution: _____

2...Check

3. $\frac{3}{8}y + 5 = 20$

4. $2 - 2.5a = 27$

Solution: _____

3...Check

Solution: _____

4...Check

5. $-9 - a = 4$

Solution: _____
5...Check

6. $12 = a - 4a + 3a$

Solution: _____
6...Check

7. $-10(z + 4) = -10$

Solution: _____
7...Check

8. $5 + 3(x - 5) = 20$

Solution: _____
8...Check

9. $-1 - 4z = 5z - 10$

Solution: _____
9...Check

10. $10 + 8x = 6x - 18$

Solution: _____
10...Check

11. $2(y + 6) = 5y + 12 - 3y$

Solution: _____
11...Check

12. $12 - 5x + x = 4(x + 1)$

Solution: _____
12...Check