

NAME: _____

UNIT 2 • REASONING WITH EQUATIONS AND INEQUALITIES

Lesson 1: Solving Equations and Inequalities

Practice 2.1.2: Solving Linear Equations

Solve each equation that follows.

1. $14 - 3y = 4y$

2. $10x - 22 = 29 - 7x$

3. $r - 4 + 6r = 3 + 8r$

4. $-x + 7 - 6x = 19 - 3x$

5. $8(11 - 2b) = -4(4b - 22)$

6. $6(2x - 4) = 3(4x + 8)$

7. $12x - 5 = 8x - x + 50$

8. $5 - 3z - 18 = z - 1 + 8z$

9. Solve the formula $t = \frac{V + K}{g}$ for g .

10. Solve the formula $S = \frac{n}{2}(a + l)$ for l .