

Unit 4: Expressions and More Equations

PRACTICE

Name: _____ Date: _____

Simplify each expression or solve each equation. Write your answer in simplest form.

1. Simplify by combining like terms: $3x + 5 + 2x - 8$

Answer: _____

2. Expand and simplify: $4(2x - 3) + 5$

Answer: _____

3. Write $6x + 15$ as a product using the greatest common factor (GCF).

Answer: _____

4. Solve for x : $x + 7 = 12$

Answer: _____

5. Solve for x : $3x - 4 = 11$

Answer: _____

6. Solve for x : $-2x + 9 = 1$

Answer: _____

7. Solve for x : $2(x + 3) = 14$

Answer: _____

8. Solve for x : $5x - 2 = 3x + 8$

Answer: _____

9. Solve for x : $7x + 4 = 2x - 11$

Answer: _____

10. Solve for x : $4x + 1 = 2x + 8$

Answer: _____

11. How many solutions does this equation have? $2(x + 4) = 2x + 8$

Answer: _____

12. How many solutions does this equation have? $3x + 5 = 3x - 2$

Answer: _____