

Unit 4: Equations and Expressions

PRACTICE • SET 2

Name: _____ Date: _____

Solve each problem. Show your work when needed and write your final answer on the line. Use plain-text notation (for example: $\frac{3}{4}$, 2^3 , $\text{sqrt}(16)$).

1. Solve for x: $x + 9 = 17$

Answer: _____

2. Solve for x: $6x = 54$

Answer: _____

3. Solve for x: $x/5 = 7$

Answer: _____

4. Solve for x: $x - 14 = 23$

Answer: _____

5. Evaluate: 2^5

Answer: _____

6. Evaluate: $\text{sqrt}(81)$

Answer: _____

7. Evaluate the expression $4n - 3$ when $n = 5$

Answer: _____

8. Combine like terms: $8a + 5a - 3a$

Answer: _____

9. Use the distributive property to write an equivalent expression: $5(x + 2)$

Answer: _____

10. Solve the two-step equation for x: $3x + 4 = 19$

Answer: _____

11. Evaluate: $3^3 - 2^2$

Answer: _____

12. Solve the two-step equation for x: $x/2 + 1 = 6$

Answer: _____