

Unit 6: Expressions and Equations

CONCEPT

Name: _____ Date: _____

Solve each problem and write your answer on the line. Show your work when it helps.

1. Evaluate the expression $3x$ when $x = 5$.

Answer: _____

2. Evaluate the expression $n - 4$ when $n = 10$.

Answer: _____

3. Evaluate 2^5 .

Answer: _____

4. Write the product $6 \times 6 \times 6 \times 6$ using an exponent.

Answer: _____

5. Evaluate 4×2^3 .

Answer: _____

6. Solve for x : $x + 9 = 14$.

Answer: _____

7. Solve for x : $x - 3 = 8$.

Answer: _____

8. Solve for x : $6x = 30$.

Answer: _____

9. Solve for x : $x/4 = 5$.

Answer: _____

10. Evaluate the expression $5a + 2$ when $a = 3$.

Answer: _____

11. Evaluate $20 - 2 \times 6$.

Answer: _____

12. Evaluate 10^2 .

Answer: _____