

Unit 4: Equations and Expressions

CONCEPT

Name: _____ Date: _____

Solve each problem and write your answer in the blank. Show your work when you can.

1. Write an expression for "the sum of a number n and 7."

Answer: _____

2. Evaluate the expression $4x$ when $x = 5$.

Answer: _____

3. Solve for x : $x + 6 = 13$.

Answer: _____

4. Solve for y : $y - 4 = 9$.

Answer: _____

5. Solve for m : $3m = 21$.

Answer: _____

6. Solve for k : $k/2 = 8$.

Answer: _____

7. Write $5 \times 5 \times 5$ using an exponent.

Answer: _____

8. Evaluate 2^4 .

Answer: _____

9. Evaluate the expression $3a + 2$ when $a = 4$.

Answer: _____

10. Combine like terms: $6x + 3x$.

Answer: _____

11. Evaluate 10^2 .

Answer: _____

12. Solve for w : $w + 8 = 20$.

Answer: _____