

Unit 6: Expressions and Equations

PRACTICE

Name: _____ Date: _____

Show your work where needed. Write each answer as a single number, fraction, or short value.

1. Evaluate the expression 3^4 .

Answer: _____

2. Evaluate 2^5 .

Answer: _____

3. Evaluate the expression $5x + 8$ when $x = 7$.

Answer: _____

4. Evaluate the expression $4a^2$ when $a = 3$.

Answer: _____

5. Solve for x : $x + 14 = 39$.

Answer: _____

6. Solve for y : $y - 9 = 16$.

Answer: _____

7. Solve for m : $6m = 54$.

Answer: _____

8. Solve for w : $w/5 = 12$.

Answer: _____

9. Evaluate the expression $2(n + 6)$ when $n = 4$.

Answer: _____

10. Use order of operations to evaluate: $3 + 4 \times 2^3$.

Answer: _____

11. Solve for p : $8p = 72$.

Answer: _____

12. Evaluate the expression $10 - 3x$ when $x = 2$.

Answer: _____