

Unit 9: Putting It All Together

CONCEPT

Name: _____ Date: _____

Solve each problem and write your short exact answer on the line. Show your work where you can.

1. Solve for x : $4x = 28$

Answer: _____

2. Solve for x : $x + 9 = 20$

Answer: _____

3. Solve for x : $x - 5 = 12$

Answer: _____

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

Answer: _____

5. Evaluate: 2^4

Answer: _____

6. Evaluate: 6^2

Answer: _____

7. Evaluate: 10^3

Answer: _____

8. Evaluate: $\sqrt{64}$

Answer: _____

9. A right triangle has legs of length 3 and 4. Find the length of the hypotenuse.

Answer: _____

10. A right triangle has legs of length 6 and 8. Find the length of the hypotenuse.

Answer: _____

11. The function $f(x) = 3x + 2$. Find $f(4)$.

Answer: _____

12. The function $f(x) = 2x - 1$. Find $f(5)$.

Answer: _____