**LESSON 7.1 Practice B**

For use with pages 478–485

**Match the function with its graph.**

1. \( f(x) = \left( \frac{4}{3} \right)^x - 3 \)
   - A.  
   - B.  
   - C. 

2. \( f(x) = 3^x + 2 \)

3. \( f(x) = -4^x + 1 + 1 \)

Graph the function. State the domain and range.

4. \( f(x) = 4^x - 2 \)
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5. \( f(x) = 2^x + 1 \)
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6. \( f(x) = -3^x + 1 \)
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7. \( f(x) = 2^x - 2 - 3 \)
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8. \( f(x) = -2(3^x + 1) + 2 \)
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9. \( f(x) = \left( \frac{3}{2} \right)^x - 2 \)
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In Exercises 10–12, use the following information.

**Account Balance** You deposit $3500 in an account that earns 2.5% annual interest. Find the balance after one year if the interest is compounded with the given frequency.

10. annually

11. quarterly

12. monthly

In Exercises 13–15, use the following information.

**Population** From 1990 to 2000, the population of California can be modeled by \( P = 29,816,591(1.0128)^t \) where \( t \) is the number of years since 1990.

13. What was the population in 1990?

14. What is the growth factor and annual percent increase?