

CHAPTER
7**Chapter Test A**

For use after Chapter 7

Graph the function. State the domain and range.

1. $y = 2 \cdot 3^x$



2. $y = 2 \cdot 3^{x+1} - 2$



3. Your grandparents deposited \$2000 into a college savings account for you 5 years ago. If the account pays 2.5% annual interest, compounded quarterly, find the current balance of the savings account.

Graph the function. State the domain and range.

4. $y = \left(\frac{3}{4}\right)^x$



5. $y = 2\left(\frac{1}{2}\right)^{x+1} - 1$



6. You buy a computer for \$1200. The value of the computer decreases by 30% each year. Find the value of the computer after 4 years.

Graph the function. State the domain and range.

7. $y = e^{-3x}$



8. $y = -2e^{2x}$

**Answers**

1. See left.

2. See left.

4. See left.

5. See left.

7. See left.

8. See left.

Mathnmind Algebra Chapter 7

Arturo Cuomo



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