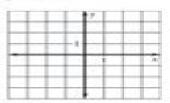
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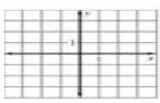
For use after Chapter 7

Graph the function. State the domain and range.

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



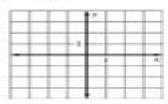
2.
$$y = 2 \cdot 3^{x+1} - 2$$



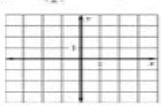
 Your grandparents deposited \$2000 into a college savings account for you 5 years ago. If the account pays 2.5% annual interest, compounded quarterly, find the current balance of the savings account.

Graph the function. State the domain and range.

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



6.
$$y = 2\left(\frac{1}{2}\right)^{x+1} - 1$$



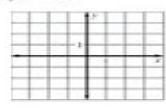
 You buy a computer for \$1200. The value of the computer decreases by 30% each year. Find the value of the computer after 4 years.

Graph the function. State the domain and range.

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



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



Answers

- 1. See left.
- 2. See left.
- 3.
- 4. See left.
 - -
- 5. See left.
- See left.
- ____
- See left.

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Yan Bai

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