1. M(t) is the number of milk cows, in thousands, on the farms in the United States, t years after 1900.
- **(a)** Interpret M(25) = 17,850
- **(b)** What are the input units?
- **(c)** What are the output units?
- **(d)** Can the input be negative? Explain why or why not.
- **(e)** Can the output be negative? Explain why or why not.

2. F(t) is the total world commercial fish catch, in thousands of metric tons, from the Pacific Ocean, t years after the end of 1980.
- **(a)** Interpret F(4) = 5,859.
- **(b)** What are the input units?
- **(c)** What are the output units?
- **(d)** Can the input be negative? Explain why or why not.
- **(e)** Can the output be negative? Explain why or why not.

3. A(t) is the change in the number of Apple computers sold in the United States, t years after the end of 1980.
- **(a)** Can the input be negative? Explain why or why not.
- **(b)** Can the output be negative? Explain why or why not.

4. P(t) is the average amount of daily petroleum imports to the United States, in thousands of barrels per day, t years after 1973.
- **(a)** Explain why or why not the graph of the function can appear to the left of the vertical axis.
- **(b)** Explain why or why not the graph of the function can appear below the horizontal axis.

5. C(x) is the change in the number of chickens on farms in the United States, x years after 1985.
- **(a)** What are the input units?
- **(b)** What are the output units?
- **(c)** Explain why or why not the graph of the function can appear to the left of the vertical axis.
- **(d)** Explain why or why not the graph of the function can appear below the horizontal axis.
- **(e)** Explain why or why not this function could be used to determine the number of chickens during a particular year.

6. T(x) is the temperature, in degrees Fahrenheit, x days after January 1st.
- **(a)** What are the input units?
- **(b)** What are the output units?
- **(c)** Explain why or why not the input for the function could be negative.
- **(d)** Explain why or why not the output for the function could be negative.
- **(e)** Explain why or why not the graph of the function can appear to the left of the vertical axis.
- **(f)** Explain why or why not the graph of the function can appear below the horizontal axis.

7. H(x) is the height above sea level, in feet, at 12 PM for a flying drone, x days after its purchase.
- **(a)** What are the input units?
- **(b)** What are the output units?
- **(c)** Explain why or why not the input for the function could be negative.
- **(d)** Explain why or why not the output for the function could be negative.