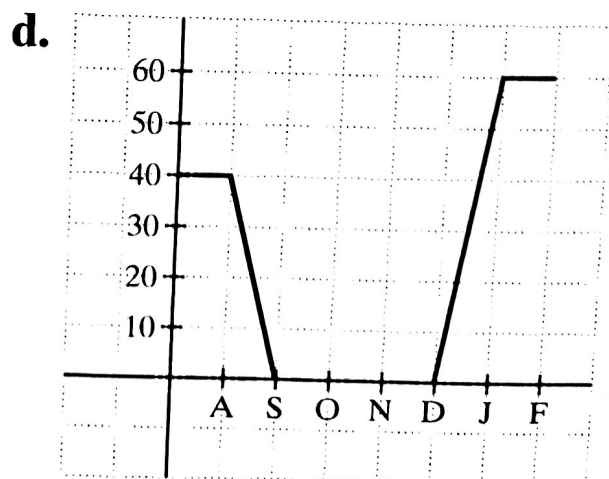
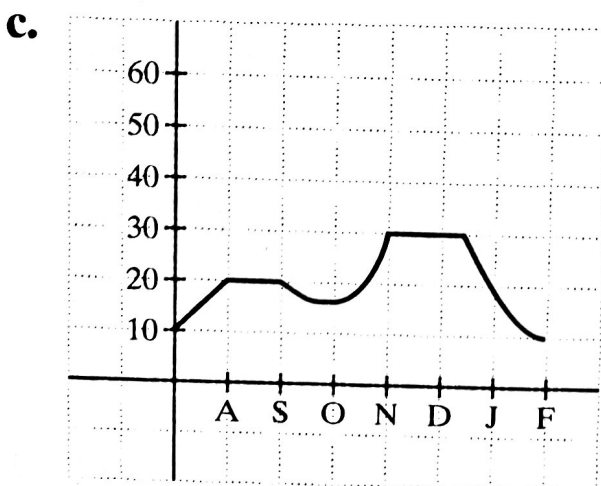
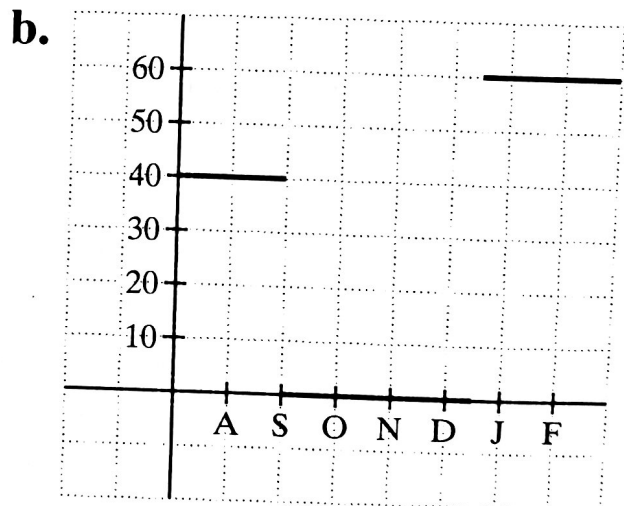
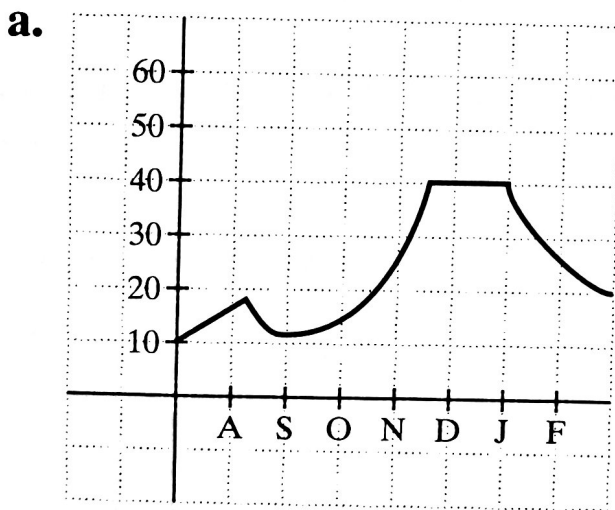


For Exercises 77 through 80, match each description with the graph that best illustrates it.

77. Moe worked 40 hours per week until the fall semester started. He quit and didn't work again until he worked 60 hours a week during the holiday season starting mid-December.
78. Kawana worked 40 hours a week for her father during the summer. She slowly cut back her hours to not working at all during the fall semester. During the holiday season in December, she started working again and increased her hours to 60 hours per week.
79. Wendy worked from July through February, never quitting. She worked between 10 and 30 hours per week.
80. Bartholomew worked from July through February. During the holiday season between mid-November and the beginning of January, he worked 40 hours per week. The rest of the time, he worked between 10 and 40 hours per week.

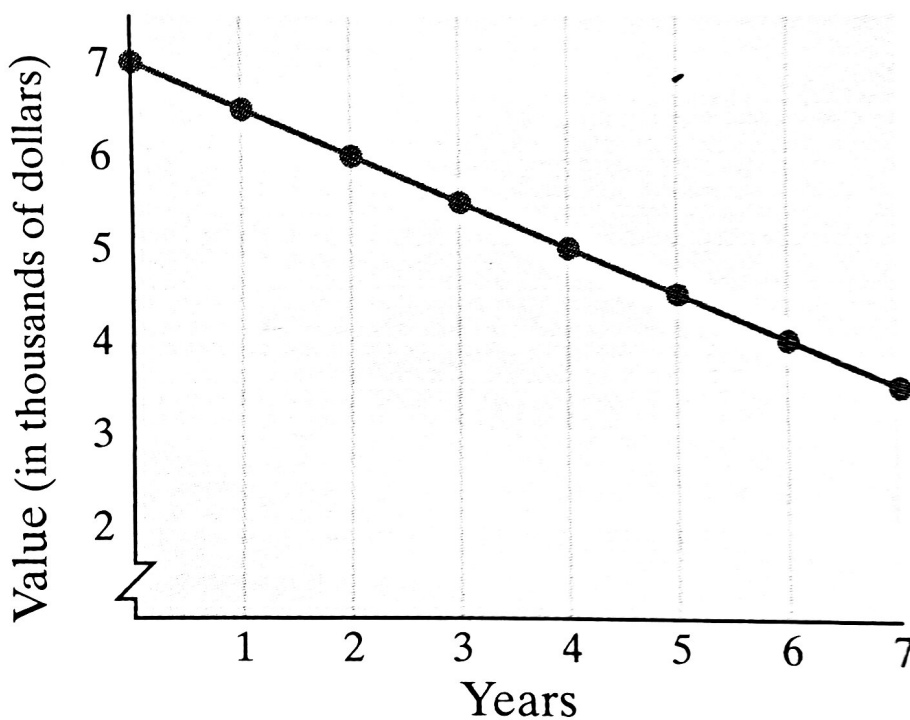


$$y = 50x$$

where x is the time in hours traveled.

- a. Draw a graph of this equation.
- b. Read from the graph the distance y traveled after 6 hours.

*For income tax purposes, the owner of Copy Services uses a method called **straight-line depreciation** to show the loss in value of a copy machine he recently purchased. He assumes that he can use the machine for 7 years. The following graph shows the value of the machine over the years. Use this graph to answer Exercises 89 through 94.*



89. What was the purchase price of the copy machine?
90. What is the depreciated value of the machine in 7 years?
91. What loss in value occurred during the first year?
92. What loss in value occurred during the second year?
93. Why do you think that this method of depreciating is called straight-line depreciation?
94. Why is the line tilted downward?
95. On the same set of axes, graph the equation $y = 50x$.