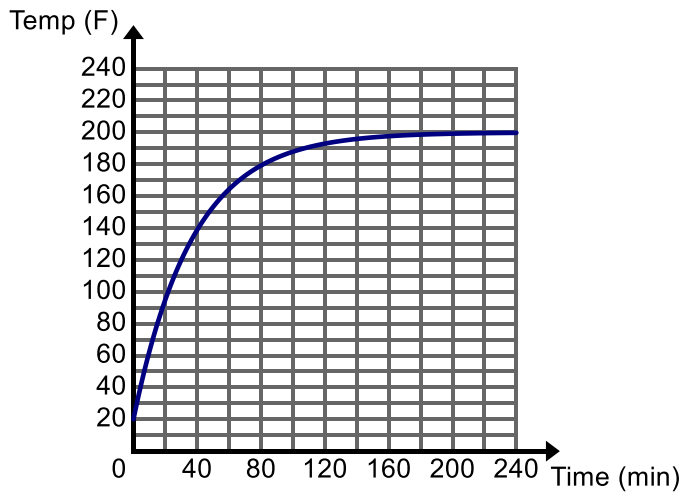


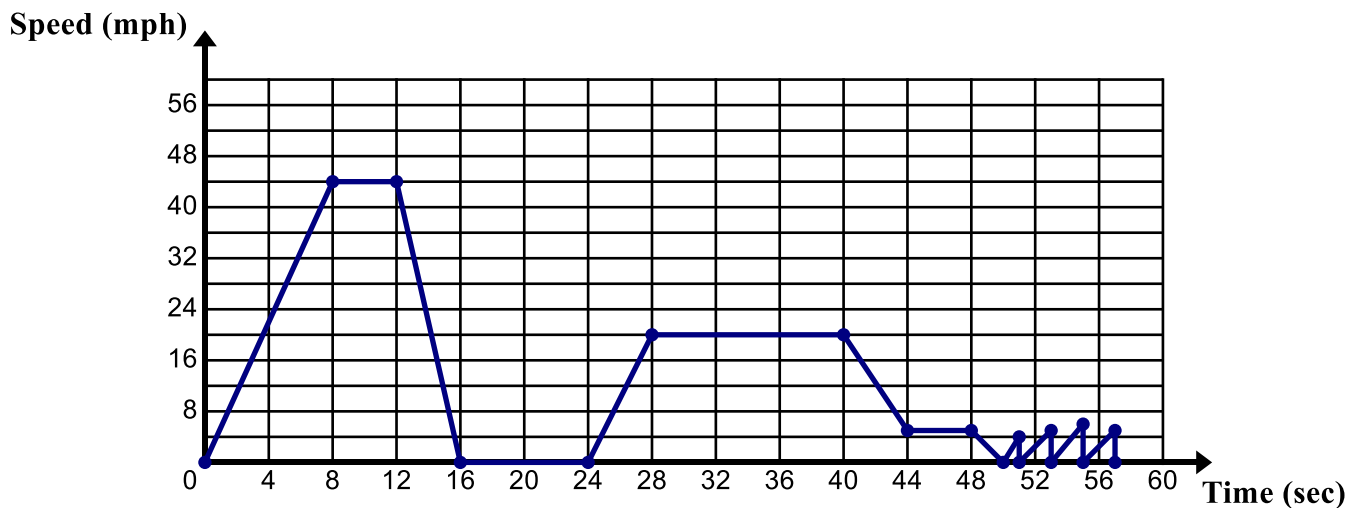
5.3f Homework: From Graphs to Stories

- Tessa is cooking potatoes for dinner. She puts some potatoes in an oven pre-heated to 200° F. The graph below shows the temperature of the potatoes over time. Label the key features of the graph. The y-intercept of the graph is (0, 20).

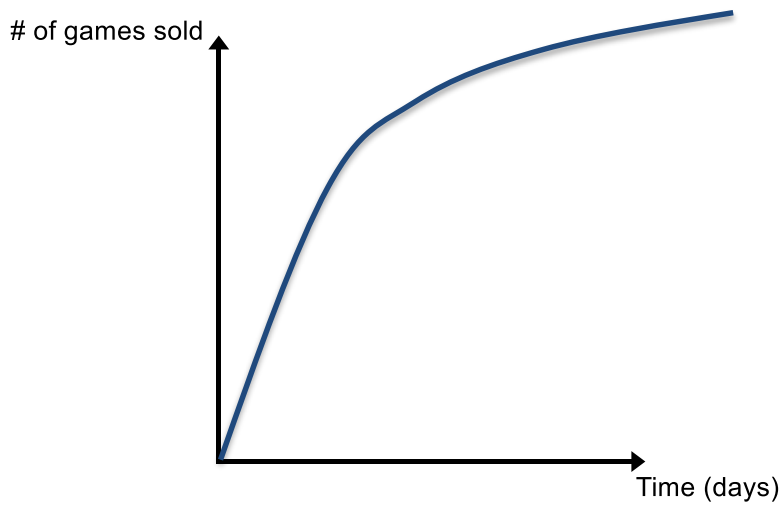


- Tell the story of the graph.

- Steve is driving to work. The graph below shows Steve's speed over time. Label the key features of the graph to tell the story of the speed of Steve's car over time. Use words like accelerating, decelerating, driving at a constant speed, stopped. You can abbreviate these words using the first letter of each word (i.e. A for accelerating, D for decelerating, C for driving at a constant speed, S for stopped). Explain what might be happening at the end of the graph.

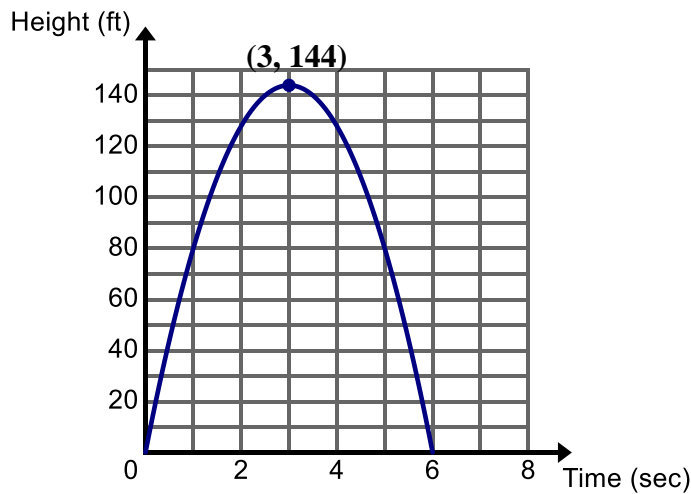


3. Microsoft is releasing the most anticipated new Xbox game of the summer. The graph below shows the total number of games sold as a function of the number of days since the game was released.



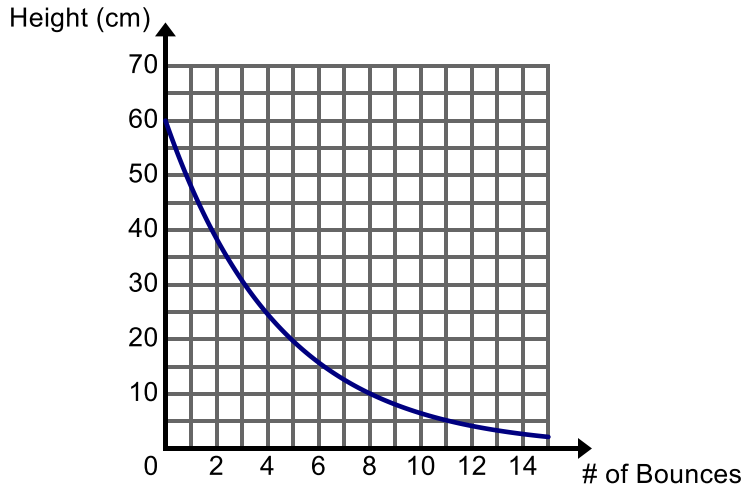
- a. Tell the story of the graph.

4. A toy rocket is launched straight up in the air from the ground. It leaves the launcher with an initial velocity of 96 ft./sec. The graph below shows the height of the rocket in feet with respect to time in seconds. Label the key features of the graph.



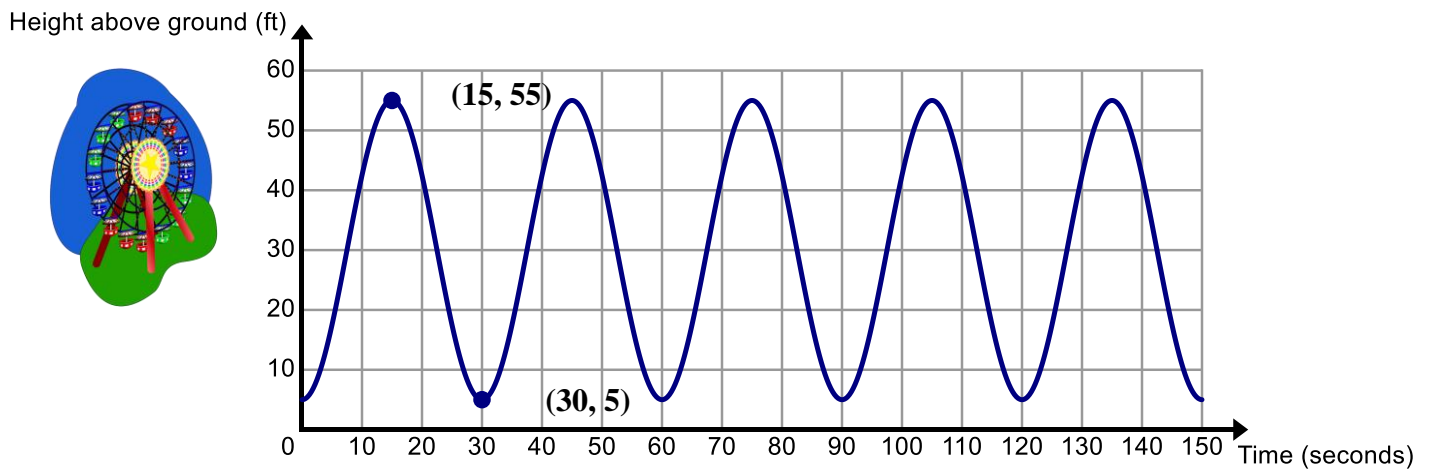
- a. Tell the story of the graph.

5. Suppose you drop a basketball from a height of 60 inches. The graph below shows the height of the object after b bounces.



- a. Tell the story of the graph.

6. You are riding a Ferris wheel. The graph below shows your height (in feet) above the ground as you ride the Ferris wheel.



- a. Tell the story of the graph.