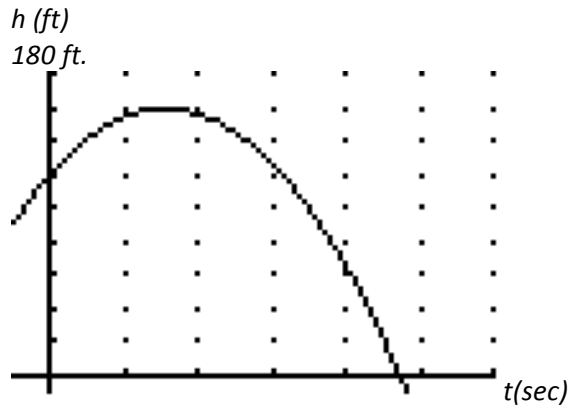


We need to learn to read a graph!

The graph of a rocket shot straight up from the edge of a tall building.

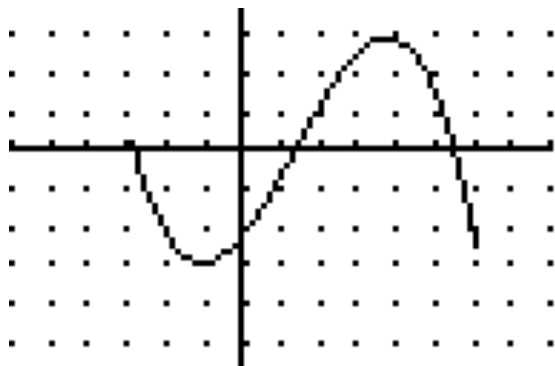


Questions one might ask. For each question mark the letter on the graph and answer the question.

- How long does it take to hit the ground?
- How tall is the building?
- How high does it go?
- What is the domain of this problem?
- When is the object 140 feet off the ground?
- Where is the object at 4 seconds?

This graph $h(t)$ is the graph of the height of an object in feet at time t . The object has been thrown up in the air from a tall building. The t -axis is in seconds (1 sec per tic) and the h -axis is the distance the object is from the ground in feet. (20 ft per tic)

This is a graph of $f(x)$. It ends at the endpoints shown.



Mark each letter on the appropriate part of the graph and answer the questions. Answers are approximate. Use units.

- Domain [low x-value, high x-value]
- Range [low y-value, high y-value]
- $f(-1) =$
- x-intercepts (ordered pairs)
- y-intercept (ordered pair)
- when $f(x) = 1$, what is the value of x ?