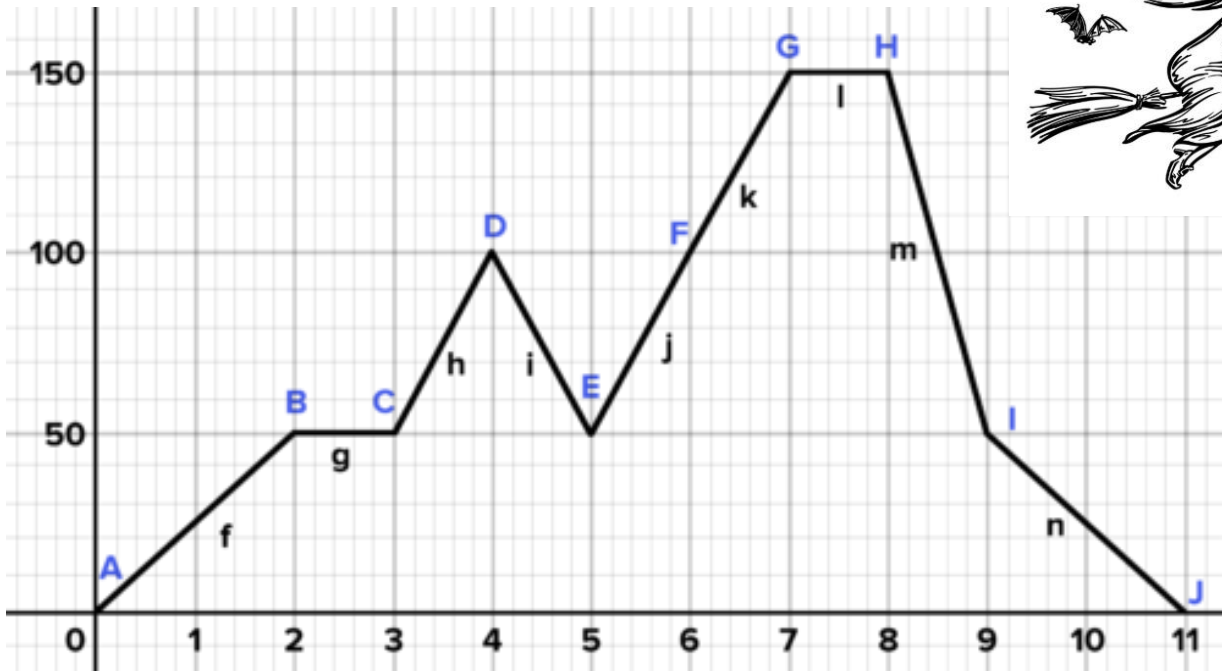


Analyzing a Function Assignment



1.)
 $f(5) = \underline{\hspace{2cm}}$

2.)
 $f(\underline{\hspace{2cm}}) = 25$

3.) At what x-value does the function have a minimum?

4.) At what x-value does the function have a maximum?

5.) Over what x-values is the function increasing?

6.) At what x-values is the function decreasing?

7.) At what x-values is the function constant?

8.) Where does the function equal zero?

9.) What is the domain of the function?

10.) What is the range of the function?

Homework:

On the back write a story, given the graph above about the witch. Make sure to label the axes with the independent and dependent variables. Make the story as creative as possible.