- Go to Fourier Basis Functions and play with the simulation near the top of the page.
    1. What function does $a_m$ correspond to? What does $m$ mean?
    2. What function does $b_m$ correspond to? What does $m$ mean?
    3. What values can $m$ take?
- Go to Fourier Series: Exploration and look at the simulation near the top of the page. It shows the graph of a function in blue.
    1. Move the sliders until the green curve matches the blue one. *Only three of the sliders need to be set to nonzero values.*
    2. Based on the graph, why might you anticipate which values of $a_m$ and $b_m$ are nonzero, larger or smaller, positive or negative?