This is the second part of our ongoing project to design your own boat this term. For this project, you will use a function (possibly piecewise-defined) to design the outline the deck and keel of your boat from the top view. Your final design must adhere to the following specifications, to within 6” for each measurement:

- The length of the deck of the boat is 27’.
- The maximum width of the deck is 8’6”.

You will present your deck and keel as a graph in the first two quadrants of the $xy$–plane so that the middle of the stern touches the origin and the point of the box lies on the $x$–axis. You may superimpose the outline of the keel onto your graph of the deck, or you may present it as a separate graph. Your graph of the keel outline will represent the outline of the keel halfway up the keel from the bottom. If you graph the keel separately, you may place it in the correct position along the $x$–axis to match with the rest of the boat hull, or you may place it with the back of the keel at the origin.