My FindClosestPair() divide and conquer method works by implementing a recursive Divide and Conquer algorithm, saving the closest points and closest distance via static instance variables. An unusual feature of my implementation is that the “centerPoints” array of points within the “combine” step is created as the same size as the array of points passed into the initial method call. This is done in order to find and track the number of points whose horizontal distance is less than the minimum distance within a single iteration statement.

