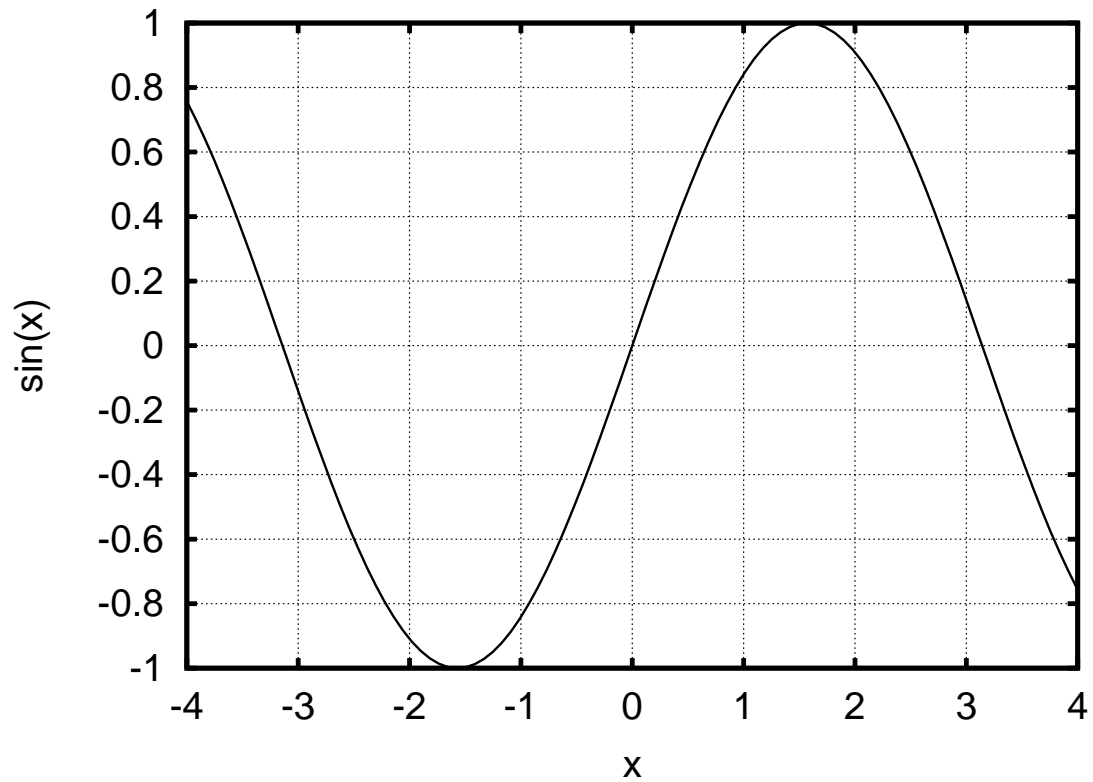


## The Derivative at a Point: Determining the Derivative Graphically and Numerically

1. Consider  $h(x) = \sin(x)$ . Using the graph below, estimate  $h'(0)$ .



2. Numerically estimate  $h'(0)$ . That is, start with the definition of the derivative. Use your calculator to numerically evaluate the limit. As always, use radians. Do your answers for  $h'(0)$  agree?