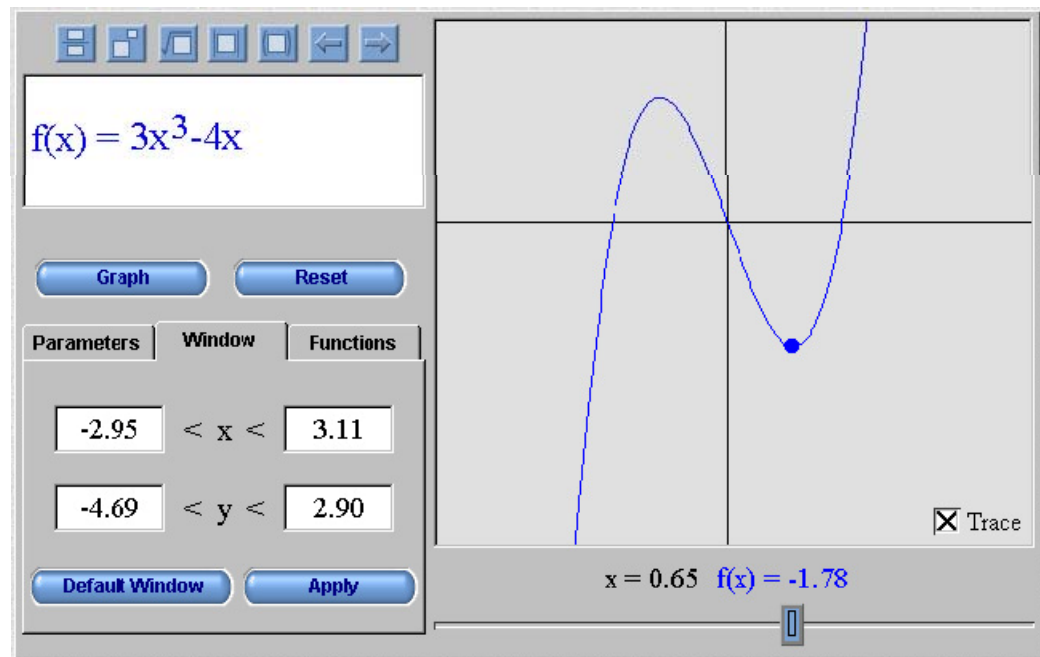


Use the online graphing tool or your graphing calculator to determine the intervals for which the function  $f(x) = 3x^3 - 4x$  is increasing.

- Online Grapher: <http://matti.usu.edu/grapher/>

Enter the function

$$f(x) = 3x^3 - 4x$$



- Now you see that the function is increasing for  $x$  less than  $-0.66$ , decreasing from  $-0.66$  to  $+0.66$  and is once again increasing for  $x$  greater than  $+0.66$ .