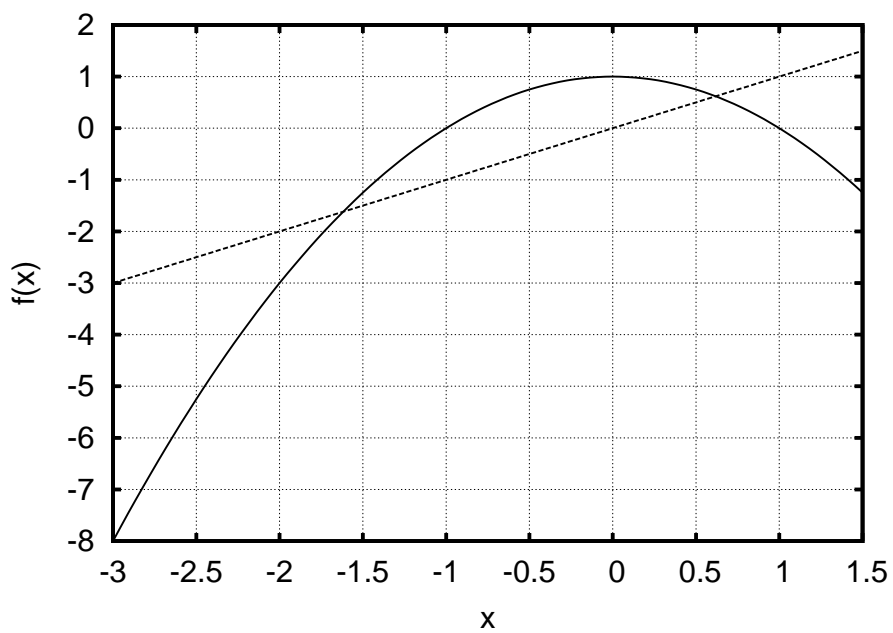
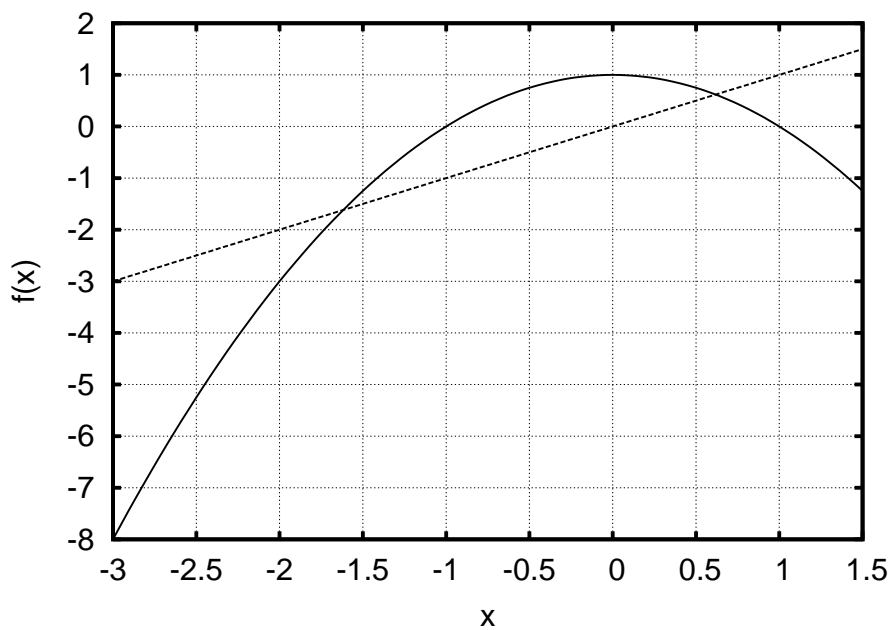


# Chapter 5: Even More Graphical Iteration

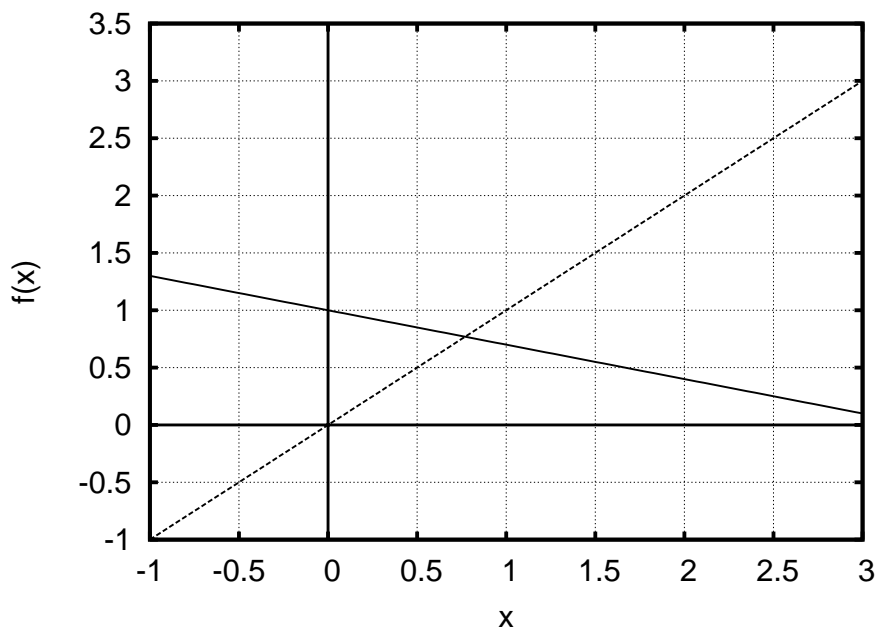
Worksheet to accompany

David Feldman, *Chaos and Fractals: An Elementary Introduction*,  
Oxford University Press, 2012

1. Below are two graphs of a function  $f(x)$ . Find all fixed points, and use graphical iteration to determine their stability.



2. Below is a linear function. Use graphical techniques to find and classify all fixed points. Sketch the time series for the initial condition  $x_0 = -1$ .



3. Below is a another linear function. Use graphical techniques to find and classify all fixed points. Sketch the time series for the initial condition  $x_0 = 0$ .

