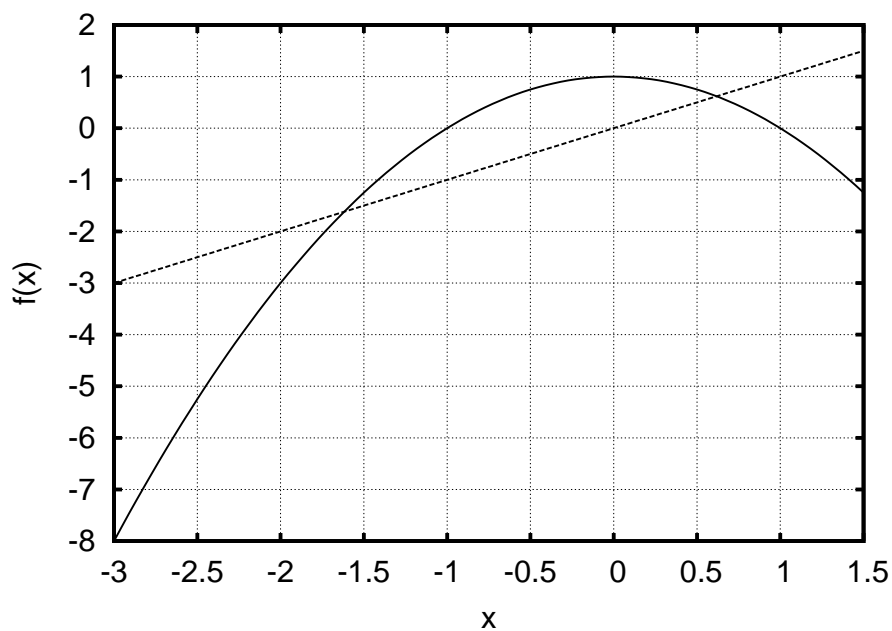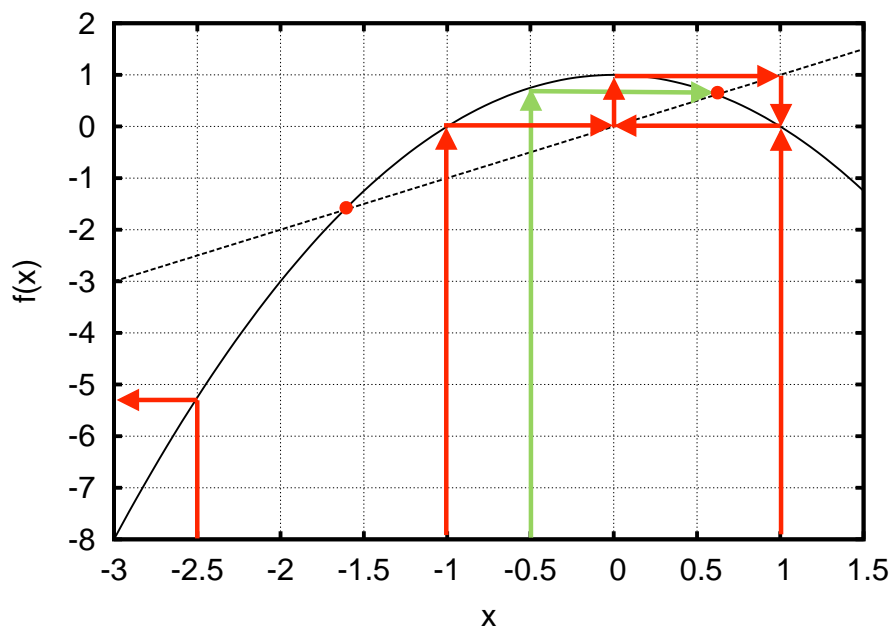# Chapter 5: Even More Graphical Iteration

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 $x_0 = 0$.