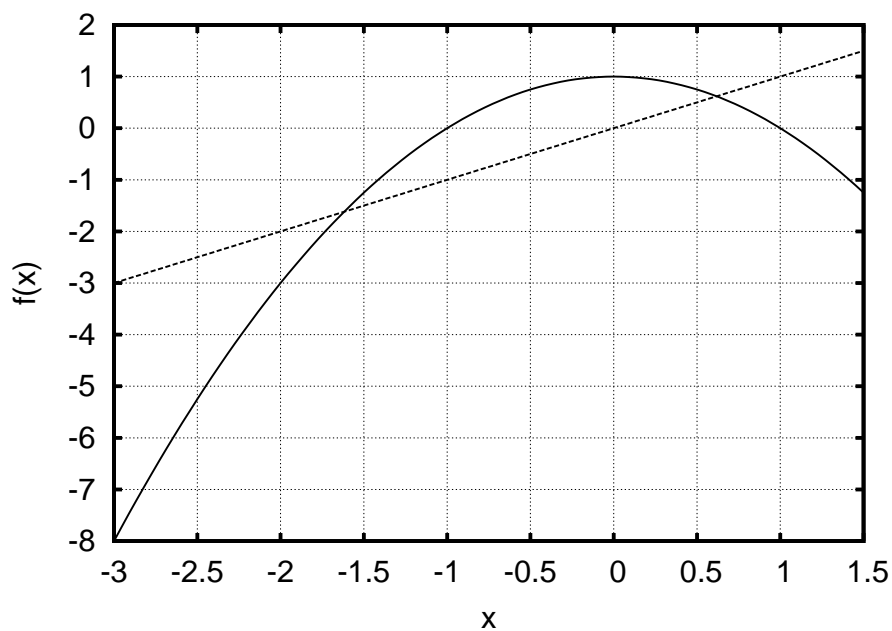
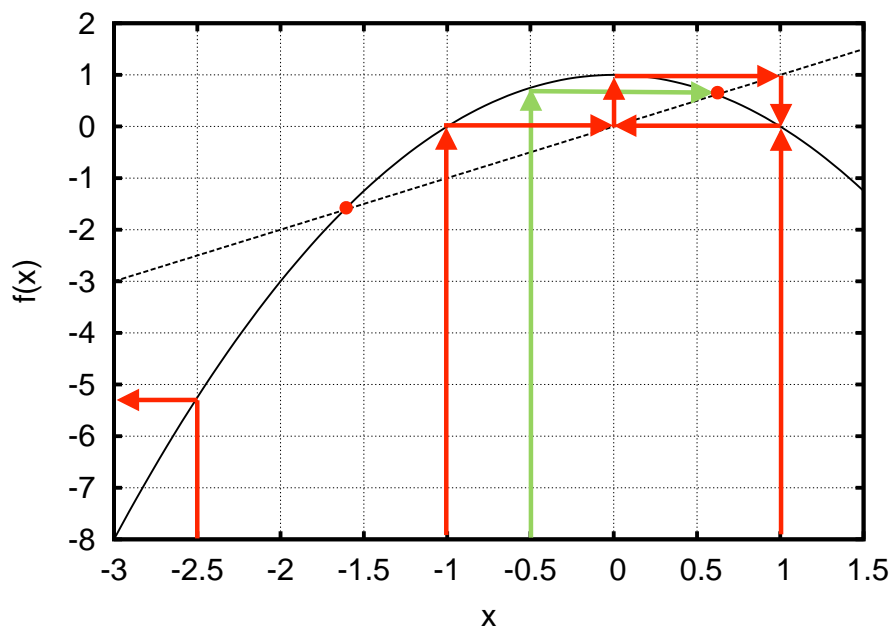


Chapter 5: Even More Graphical Iteration

Worksheet to accompany

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

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



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- The graph shows two linear functions, $f(x)$ and $g(x)$, plotted on a coordinate plane. The x-axis ranges from -1 to 3, and the y-axis ranges from -3 to 4. The function $f(x)$ is represented by a solid line with a negative slope, passing through the points $(0, 1)$ and $(1, 0)$. The function $g(x)$ is represented by a dashed line with a positive slope, passing through the points $(0, 0)$ and $(1, 1)$. The two lines intersect at the point $(1, 0)$.