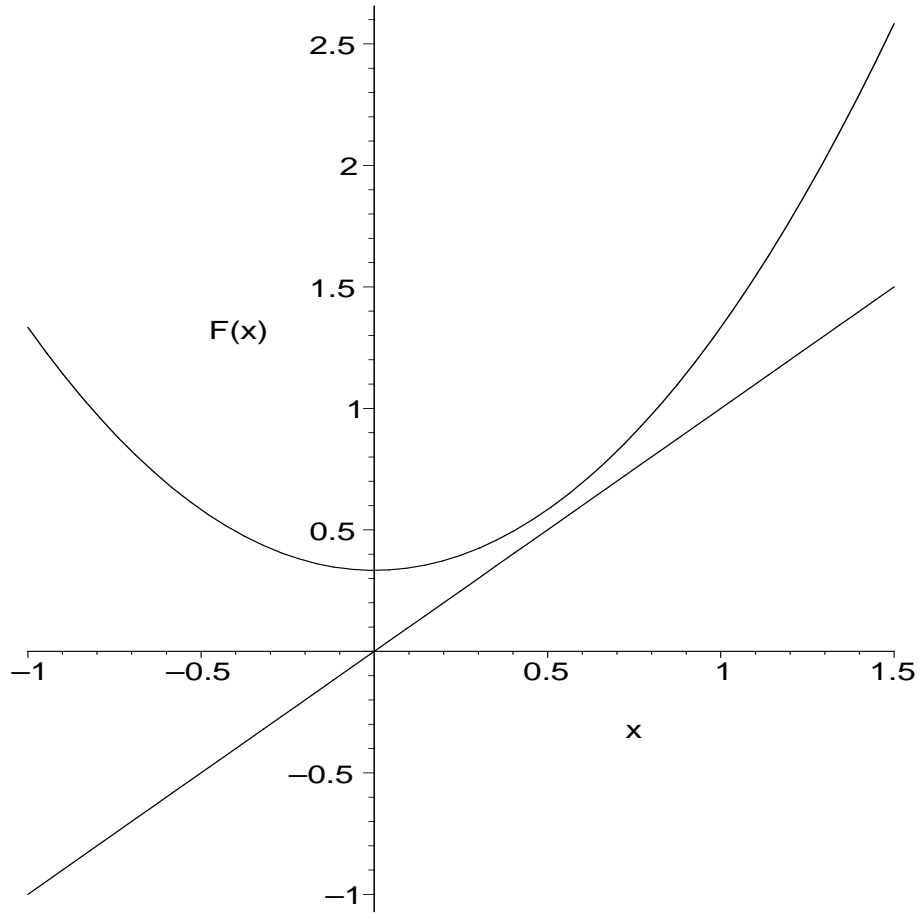
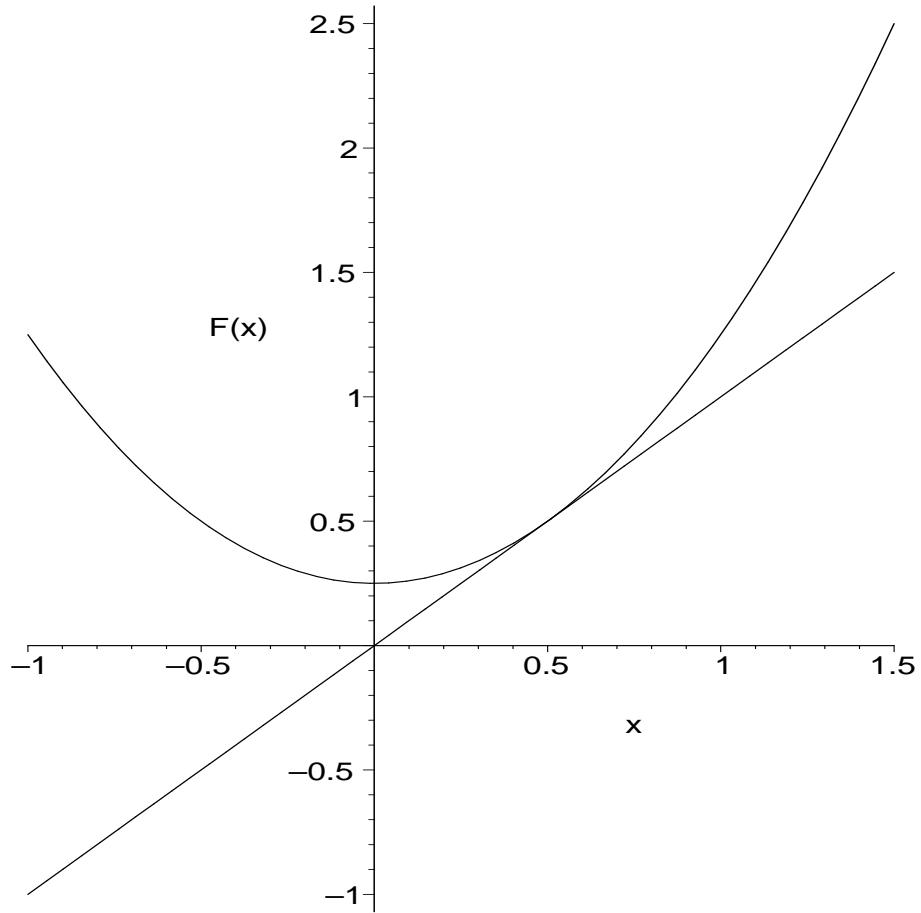


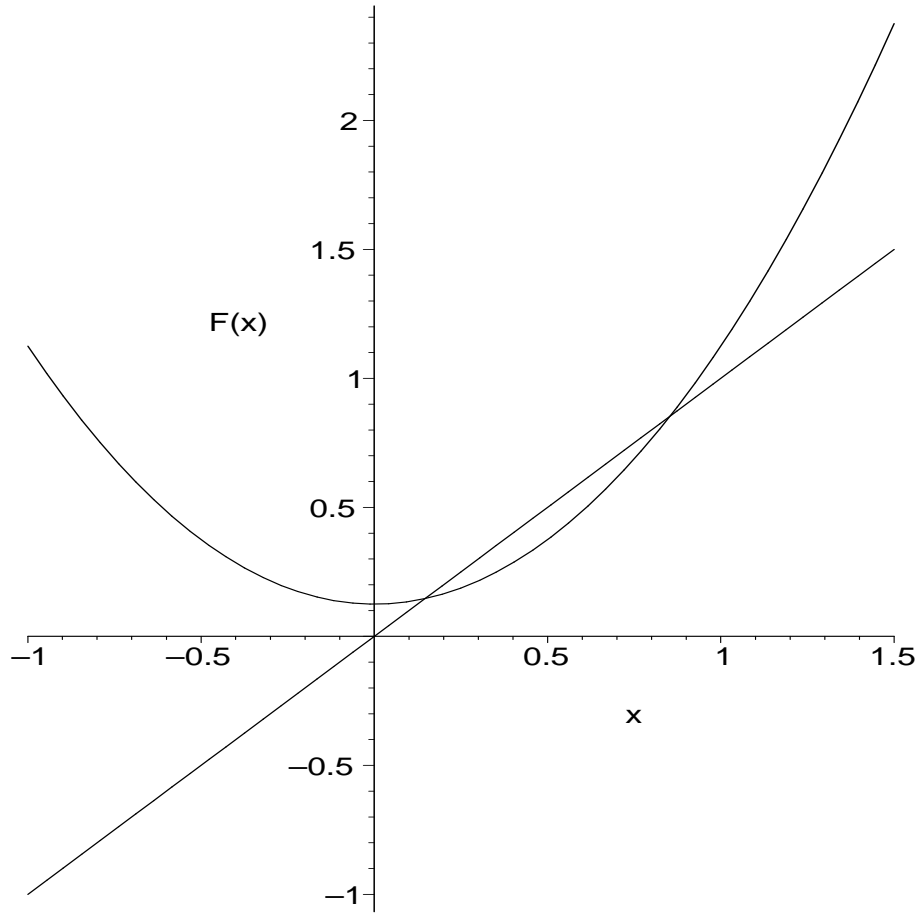
$x^2 + 1/2$ — no fixed points.



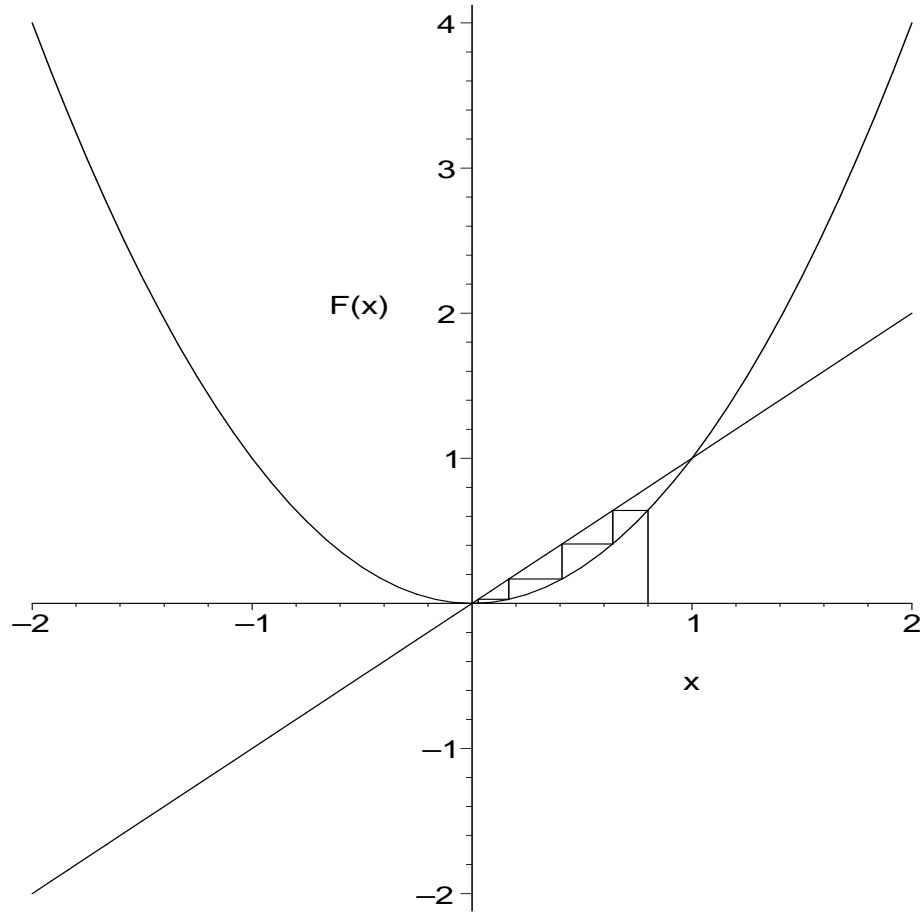
$x^2 + 1/3$ — getting closer.



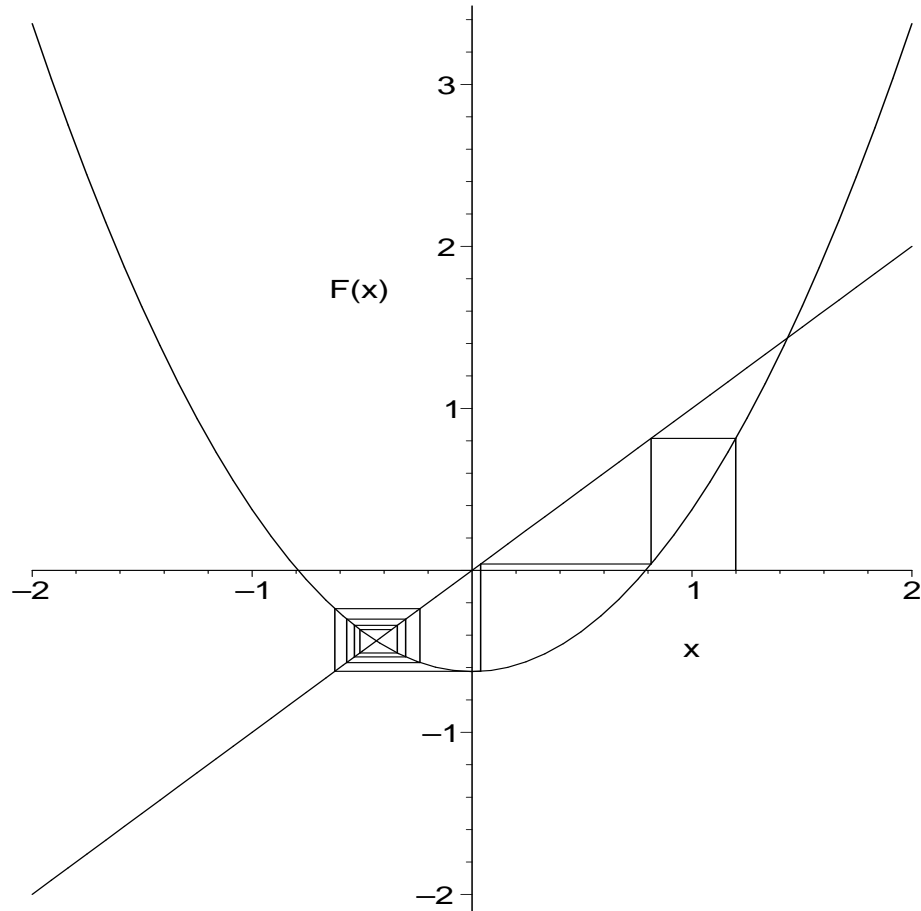
$x^2 + 1/4$ — a neutral fixed point at $x = 1/2$.



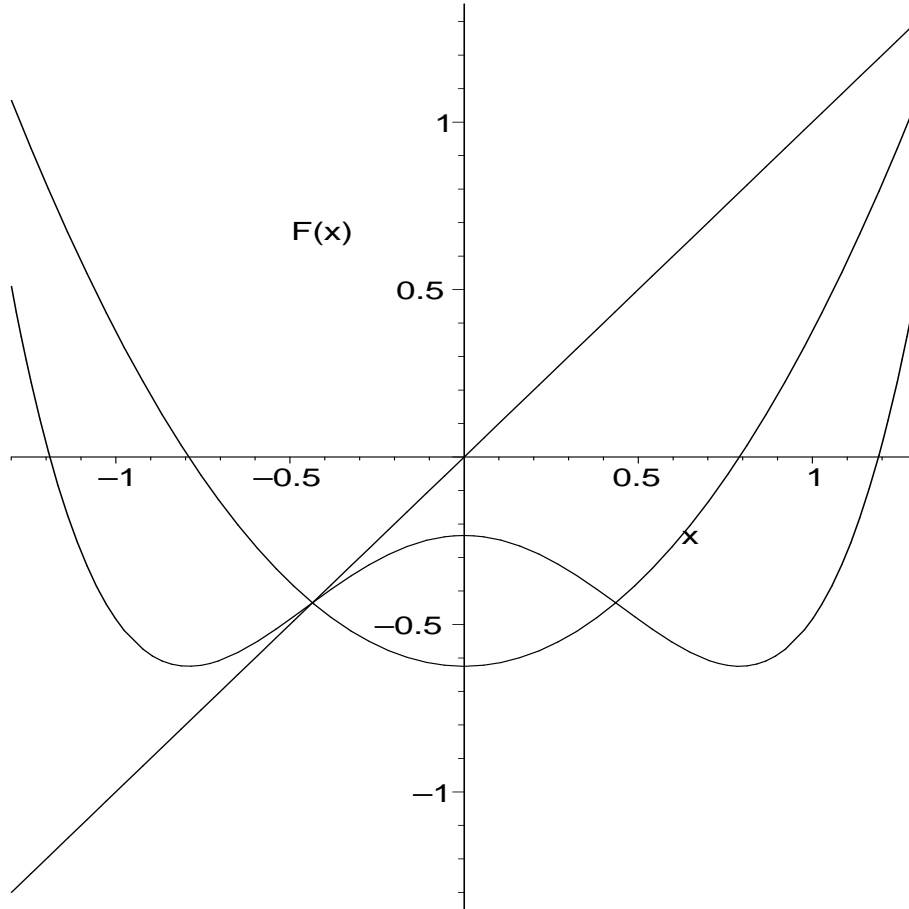
$x^2 + 1/8$ — two fixed points.



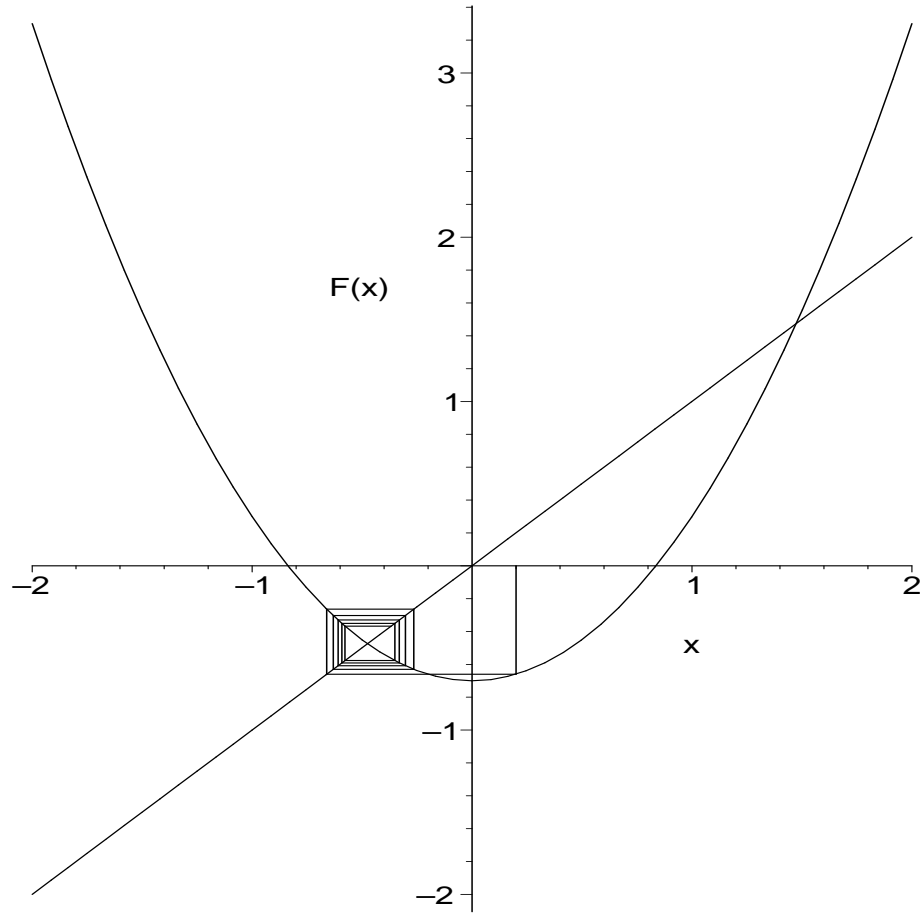
x^2 — iterates monotone decreasing.



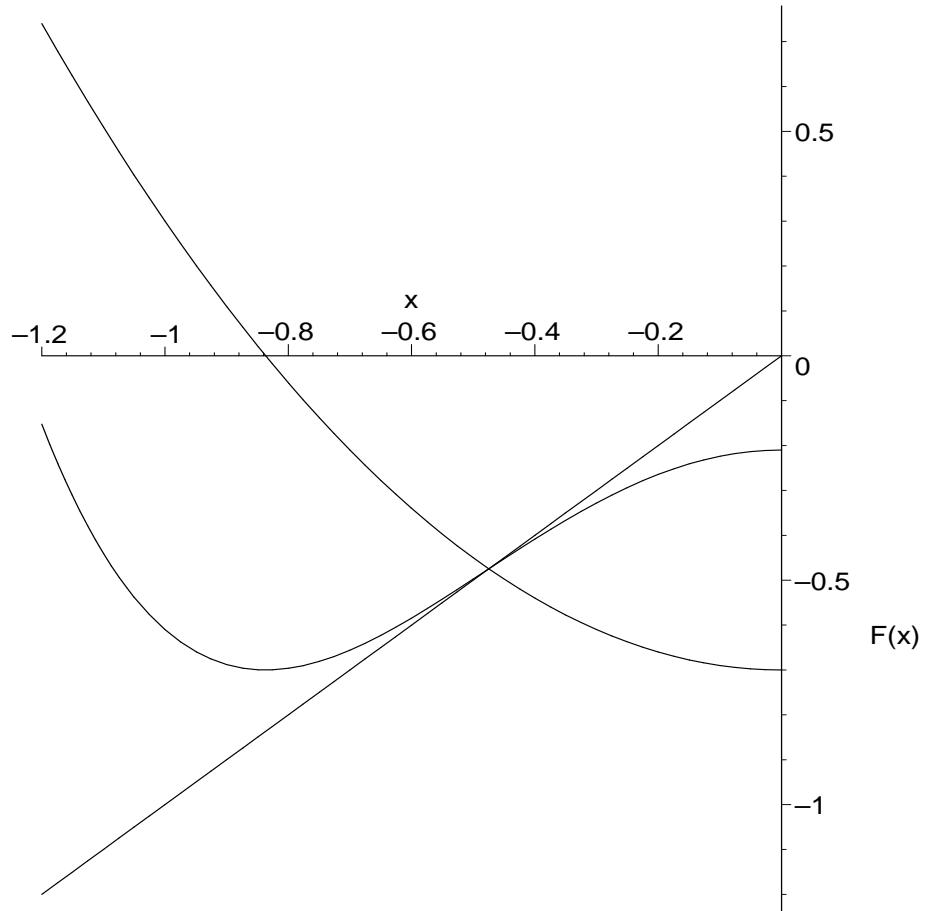
$x^2 - 5/8$ — iterates alternate, but converge.



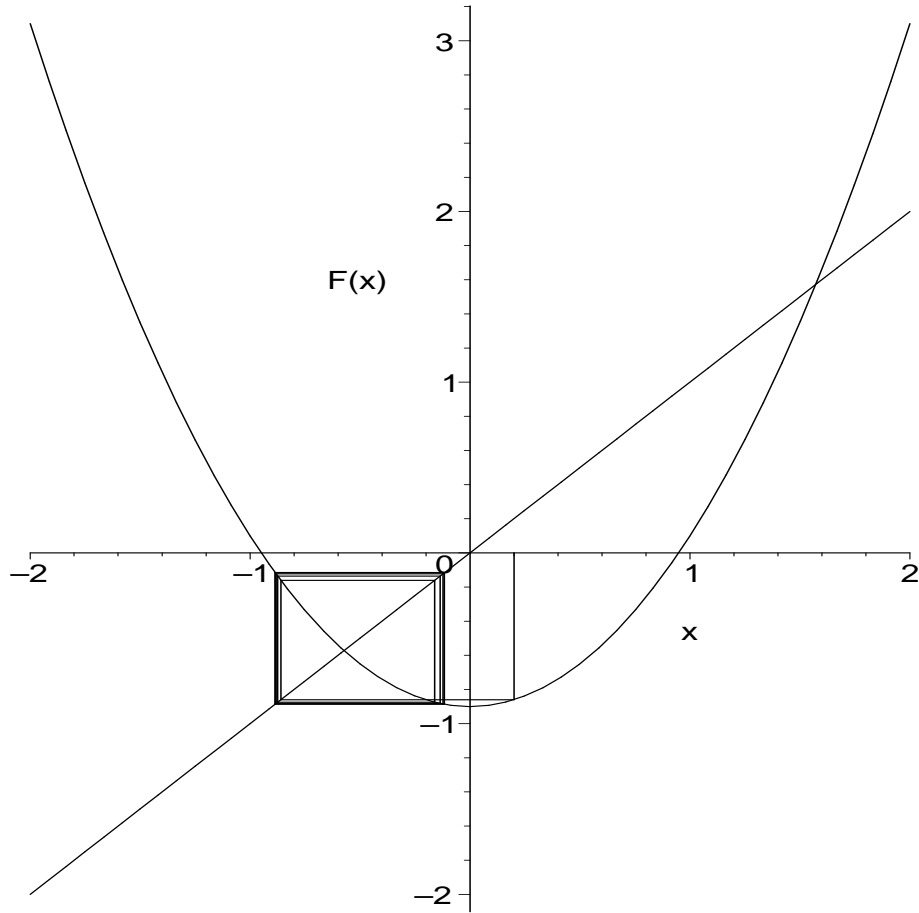
$$Q(x) = x^2 - 5/8 \text{ and } Q(Q(x)).$$



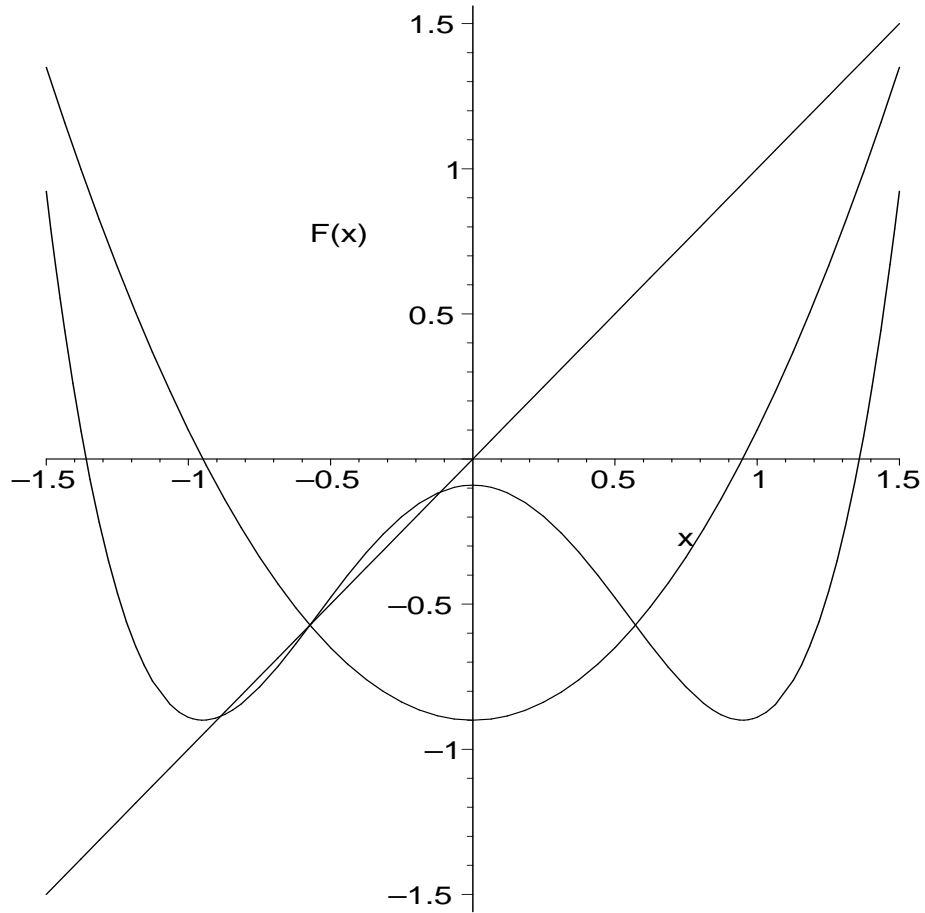
$$Q(x) = x^2 - 7/10 \text{ — convergence.}$$



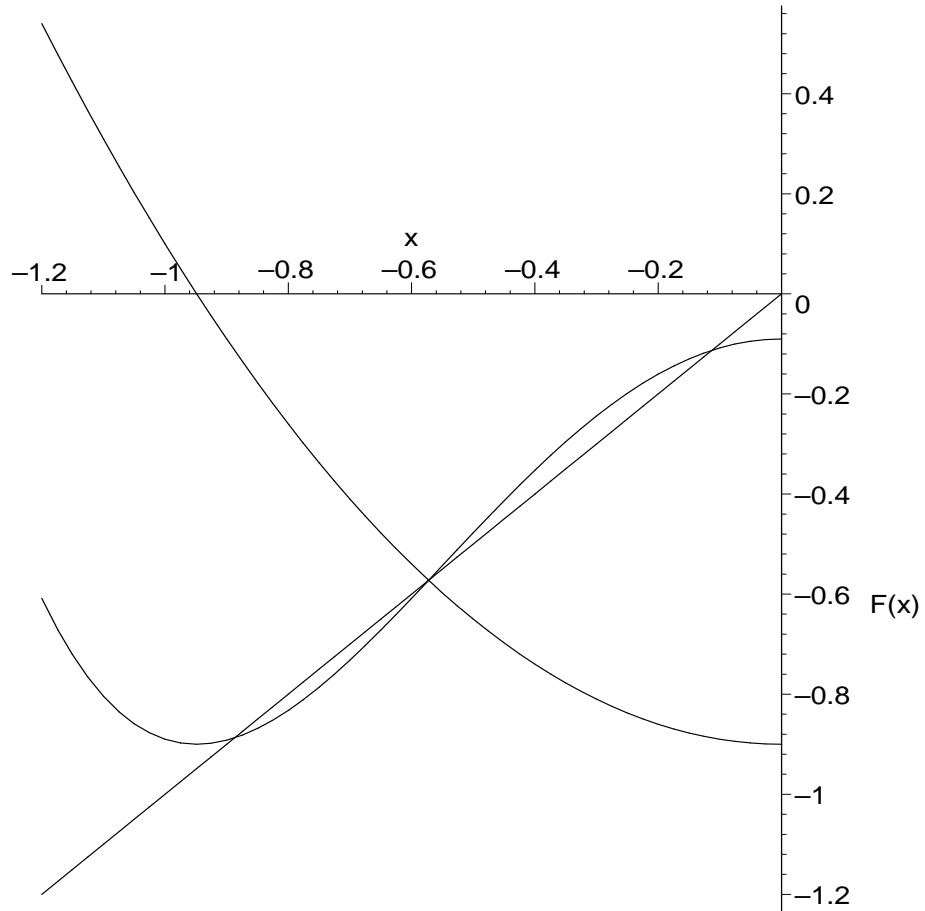
$Q(x) = x^2 - 7/10$ and $Q(Q(x))$ (zoom).



$Q(x) = x^2 - 9/10$ — converge to 2-cycle.



$$Q(x) = x^2 - 9/10 \text{ and } Q(Q(x)).$$



$$Q(x) = x^2 - 9/10 \text{ and } Q(Q(x)) \text{ (zoom).}$$