

# Math 241, Spring 2022 — Periodic points

Class on February 17

In this set of problems we get practice understanding attracting, repelling, and neutral periodic points.

**Problem 1.** Each of the the following functions has a periodic point  $p$ . Decide whether it is attracting, repelling, or neutral.

1.  $F(x) = \frac{7}{2}x(1 - x)$ ;  $p = 3/7$
2.  $F(x) = \frac{7}{6}x^2 - \frac{23}{6}x + 3$ ;  $p = 0$