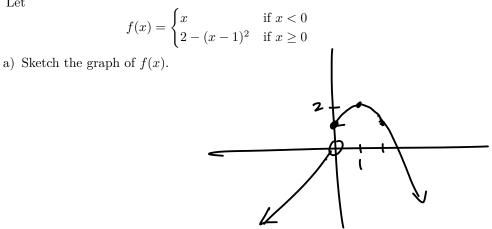


Unit 4 Group Work 1 PCHA 2022-23 / Dr. Kessner

No calculator! Have fun!

**1.** Let



b) On what intervals is f increasing and/or decreasing? Is f bounded? Does it have any local or global maxima or minima?

increasing on (-00,0) and [0,1) decreasing on [1,00)

c) Does f have any discontinuities? Where, and what type?

jump discontinuity at x=0

d) Describe the end behavior of f using limits.

$$\lim_{\substack{X \to 7 - \infty}} f(x) = -\infty$$

$$\lim_{\substack{X \to \infty}} f(x) = -\infty$$

$$1$$

2. Consider the same function from the previous problem.

