8127 Day 1: Syllabus, overviews pictures, plus What's a function? Discuss domain, runs a two pospectuas. Exmplos E.g. stock price at the end of trading of FB = factor. ask Output: price (in dollars) e.g. Temperature at FAI as a function of time Gree al continuais (

donado: R Oor functions: verge: R, or some subset e. 3. $f(x) = \frac{1}{x} = \text{autput}$ domain: informally: x = 0 Lormally: (-00,0) (0,00) 2x-04x 403. Graph:

Pieceuse- defined fuctions e.g. $f(x) = |x| = \begin{cases} x : x \ge 0 \\ -x : x < 0 \end{cases}$ pieceuse-defied function |-7|= 7 |π|= π Graph: 1x1=-x hee Lomadi: R range: [0,00) Hunded eat WS-1-1