4.1 Function Properties domain/range domain: where the function is defined range: the set of all possible function values local (relative) global min (absolute) minimum bounded above bounded below

odd/even symmetry f(-x) = f(x)f(-x)=-f(x) discontinuities continuous draw without taking par infinite discontinuty

at X= 17/2 (+ kT) could also write: lim f(x) = 00 lim tan 4) = -00 FxZO if x<0 jump discontinuity at x=0 if x70 if x<0 we could reddine f(0) = 0removable
discontinuity

$$f(x) = int(x) \qquad (greatest integer temetron)$$

$$(= Lx1) \qquad \text{the bissest integer less than in agril to } x''$$

$$f(0) = 0 \qquad \qquad f(0) = 1 \qquad \qquad$$