Name: LABIB RAKMAN Student ID: 1931740642 Time: 20 min Marks: 10 1. Sketch the graphs of the function $f(x) = \begin{cases} 1 & \text{otherwise} \\ 1 & \text{otherwise} \end{cases}$ Write down the domain and range. Test for continuity at x = 0 and at x = 1. Donain (-0) Range: f(n) & [Continuity at n=0 limit F(n) limit f(n) $\gamma \rightarrow 0^{+}$

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at n=1 FCD Continuity = + limit for limit FCN \sim 1 $\longrightarrow 1^{+}$ = 1 = 1 = | n = 1 as . Fon at is continous and, left Jimi + right hand both and fci) equal limit are hand equal are