Typical Question for the 2nd MidTerm Exam

EE351 Control Systems

2nd Semester 1428-29

Name: 

Student Number:

Q1°) The Nyquist plot for L(s) is

\[ \text{Im} L(\omega) \quad \omega \to \infty \]
\[ \text{Re} L(\omega) \quad \omega \to 0 \]

B/ [X]

Q2°) \( L(j\infty) = 0 \quad \angle -270^\circ \); \( L(j0) = \infty \quad \angle -90^\circ \)

Q3°) The gain crossover frequency \( \omega_g \) is equal to [X] 0.4