Classwork 16, FA24, CPE331, VAH, Instru	cture Rabul Blodani. 10/2/2024
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- Q1. the forms for function (in S-domenin) of a filter is  $\frac{1}{5}$  (otal 8) opoints  $\frac{1}{5}$   $\frac{1}{5}$ 
  - @ Find its poles and zeros. (5 points)

Find the magnitud [H(S)]. (5 points.)

Hint: ① set S=j.2 D For complex number  $Z_1$  and  $Z_2$  if  $Z_2 \ge 1$   $|Z| = |Z_1|$   $|Z| = |Z_2|$ and  $|A+ib| = \sqrt{a^2+b^2}$ Set  $Z=0, 1, \infty$  to find |H(O)|, |H(I)|