

Name: _____

Date: _____

Quiz 9:**Problem 1:**

Are the following true or false?

Question**True False**The phase margin can be determined from the Nyquist plot ☐ ☐The gain margin can only be determined from the bode plot ☐ ☐The gain crossover frequency can more easily be determined from the bode plot ☐ ☐If the open loop has a positive phase margin, then the basic feedback loop is internally stable ☐ ☐The bode plot is used for stability analysis of open loop transfer functions without poles in the open right half plane ☐ ☐**Problem 2:**Determine the phase margin and gain crossover frequency for the open loop transfer function $G_o(s)$ with the following bode plot.