

Name:

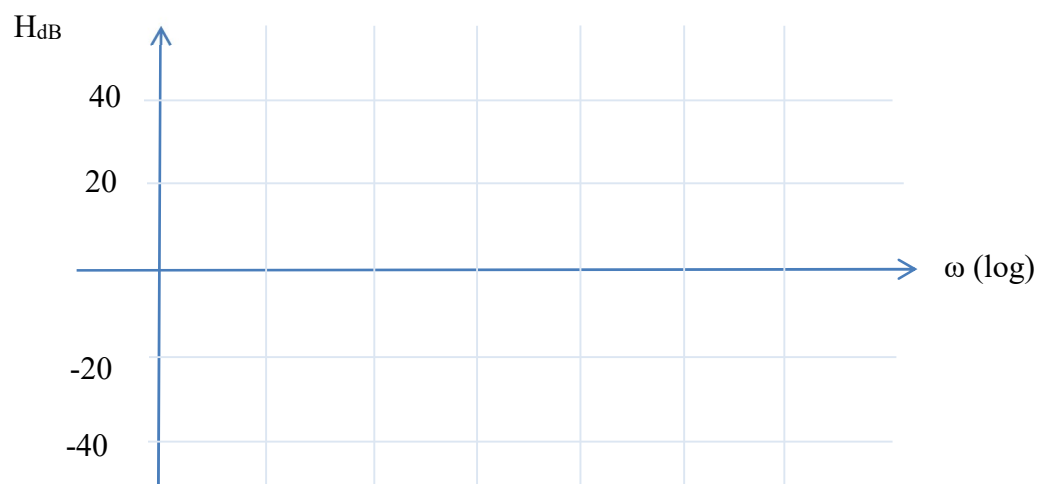
Student ID:

**Pre-tutorial 11 Questions (to be attempted before class on Oct 4th, 2019)**

**Chapter 16, Ex 56 a) – c)**

Draw the Bode amplitude plot for

a)  $\frac{20(s+1)}{s+100}$



b)  $\frac{2000s(s+1)}{(s+100)^2}$



c)  $s + 45 + \frac{200}{s}$



## Q2: System identification

Use straight line sketching techniques to identify the transfer function described by the following Bode diagram.

