Problems on Bode Plot

1. Draw the Bode plot of the following transfer functions:

(a) \( H(s) = \frac{1+10s}{1+100s} \)

(b) \( H(s) = \frac{1+100s}{1+10s} \)

(c) \( H(s) = \frac{10}{s(1+0.1s)} \)

(d) \( H(s) = \frac{100}{s(1+0.1s)(1+s)} \)

(e) \( H(s) = \frac{100}{s(s+2)(s+5)} \)

(f) \( H(s) = \frac{100(s+10)}{s(s+5)(s+20)} \)