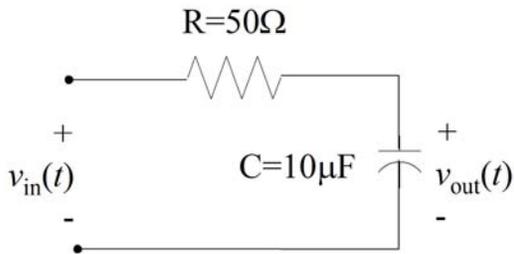


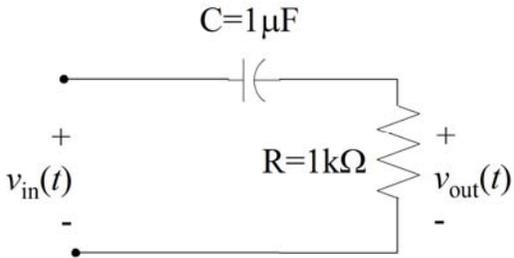
Name: \_\_\_\_\_

**EE322 Fall 2008 Quiz 07**

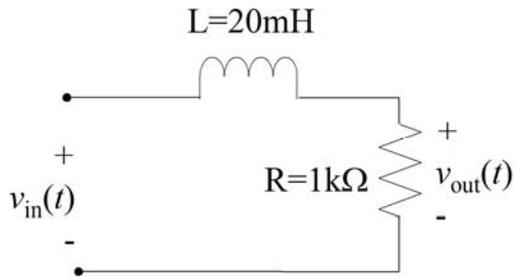
For each of the four circuits below, find the equation for the frequency response ( $H(f)$ ) and determine if the filter is a high pass filter or a low pass filter. In your equation for  $H(f)$ , use algebra to simplify the expression to one numerator and one denominator.



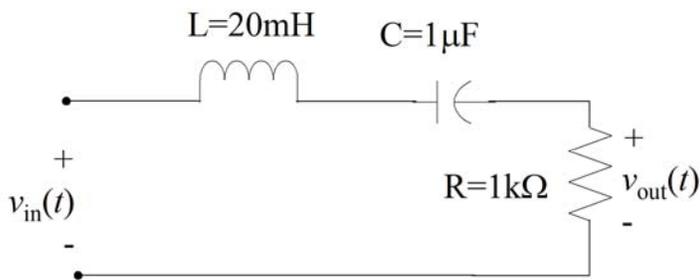
$H(f) =$  \_\_\_\_\_ Type of filter: \_\_\_\_\_



$H(f) =$  \_\_\_\_\_ Type of filter: \_\_\_\_\_



$H(f) =$  \_\_\_\_\_ Type of filter: \_\_\_\_\_



$H(f) =$  \_\_\_\_\_ Type of filter: \_\_\_\_\_

Bonus: What is the capital of Mongolia, OR, what is the capital of the United Arab Emirates, OR, what is the capital of Uruguay?