Examine the Transfer Function, $H(\omega)$, for

- Most basic RC lowpass and highpass filters
- We found for both:
  - Passband characterized by gain of 1
  - Stopband characterized by 20 dB/decade roll off
  - $\omega_c = \omega_{co} = 1/RC$
  - Often write $H(\omega)$ in terms of $\omega$ and $\omega_c$