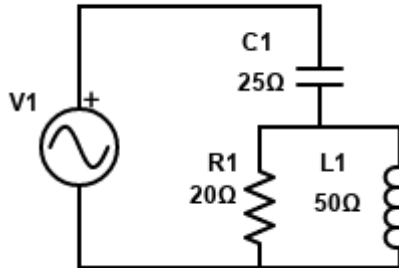


EN-3212 Electronics

AC Analysis

1. Analyze the circuit shown below given $V_1 = 150V \angle 20^\circ$.



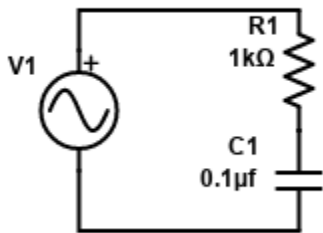
EN-3212 Electronics

AC Analysis

Note that the circuits in the next two examples are exactly the same and that the only thing that changes about the source is the frequency.

When you're done with 2 and 3, please look at how the voltage drops across the resistor and the capacitor changed.

2. Analyze the circuit below $V_1 = 170V @ 0^\circ$ and 60Hz.



EN-3212 Electronics

AC Analysis

3. Analyze the circuit below $V_1 = 170V @ 0^\circ$ and $5000Hz$.

