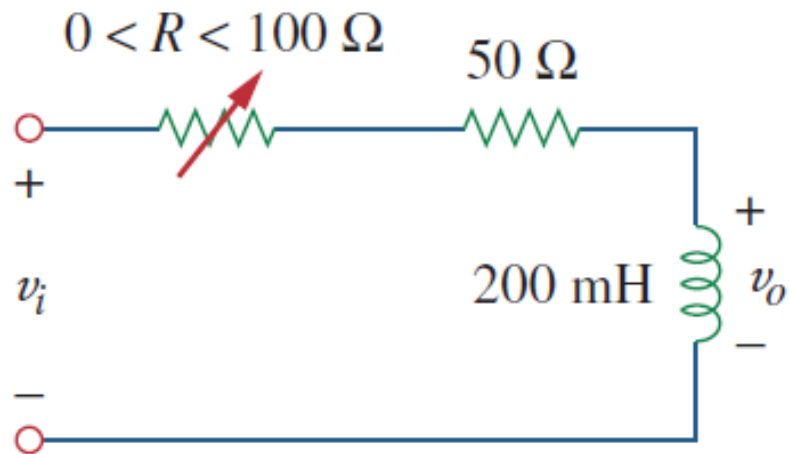# Circuits 1

Problem

Consider the phase-shifting circuit provided. Let V_i = 120V operating at 60Hz. Find:
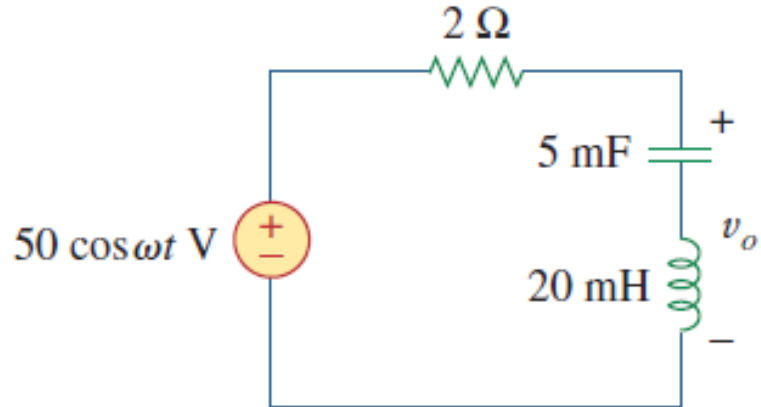 a) V_o **when R is maximum,**
  b) V_o **when R is minimum,**
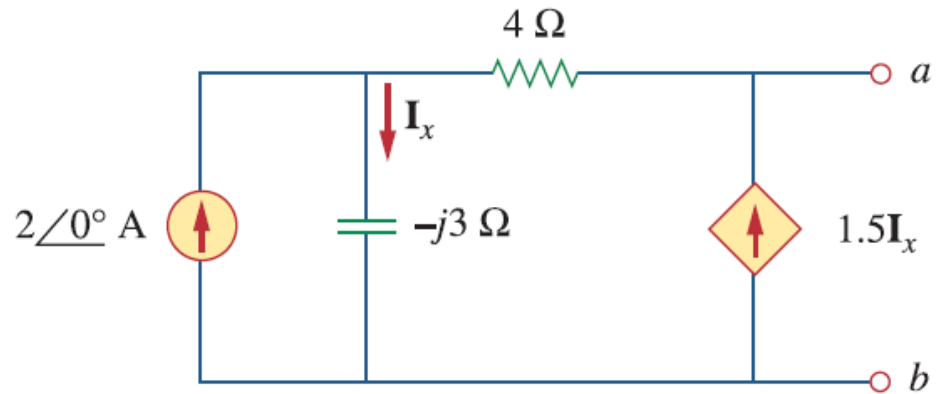 c) **the value of R that will produce a phase shift of 45°.**

Problem

What value of ω will cause the forced reponse, v_0, to be zero?

Circuits 1

Problem

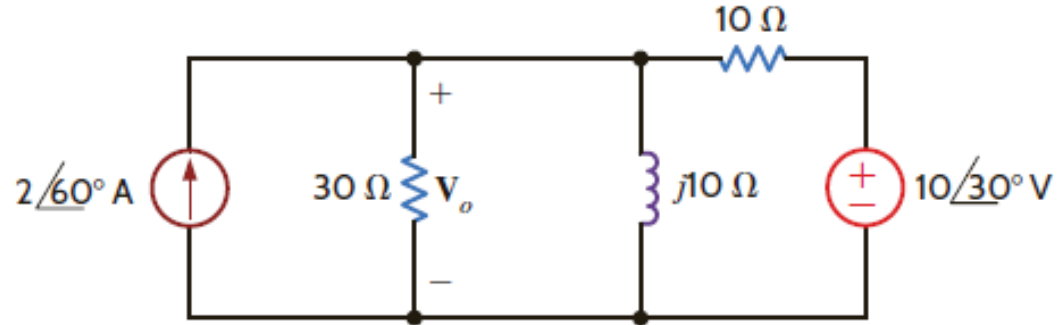## Find the Thevenin equivalent at terminals a-b.

Problem 8.61

Find V_0 in the given network.

Problem 8.31

Find $i_c(t)$ and $i(t)$ in the given network.