Chapter 9, Problem 80.

Consider the phase-shifting circuit in Fig. 9.83. Let $V_i = 120$ V operating at 60 Hz. Find:

    (a) V_o when R is maximum
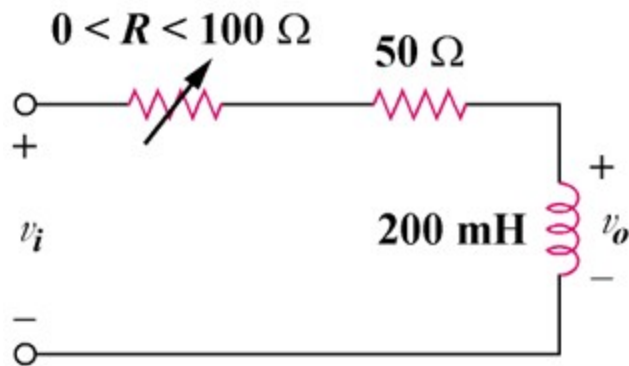
    (b) V_o when R is minimum

    (c) the value of R that will produce a phase shift of 45° V.

Figure 9.83
For Prob. 9.80.