

11.14 A  $50\ \Omega$  lossless line is terminated with  $60\ \Omega$  and  $30\ \Omega$  resistors in parallel. The voltage at the input to the line is  $\mathcal{V}(t) = 100 \cos(5 \times 10^9 t)$  and the line is three-eighths of a wavelength long. What average power is delivered to each load resistor?