Chapter 26 – Suggested problems

8, 14, 41, 45, 47, 61, 65, 66, 72, 84

Solutions of even suggested problems

(8) (a) Req = 0.8 Ω
   (b) I_1 = 17.5 A, I_2 = 11.7 A, I_3 = 5.8 A
   (c) I = 35 A
   (d) V = 28 V
   (e) P_1 = 490 W, P_2 = 327 W, P_3 = 163
   (f) P = V^2/R

(14) I_1 = 9.95 A
     I_2 = 7 A

(66) (a) ε = -109 V (polarity reversed)
     (b) t = 13.5 s

(72) (a) I_1 = 4.2 A, I_2 = 2.8 A, I_3 = 1.42 A
      (b) Q = 7.2 x 10^{-5} C

(84) (a) 7.1 J
     (b) 3616 W
     (c) 1808 W