







(1) 
$$Z = \frac{100 \times 10^{3}}{240} = 1.5 \text{ m } S$$

(2)  $t = 0$ .  $I_{L} = 0$ .  $V_{L} = 100 \text{ V}$ .  $\frac{1}{1} = \frac{100 \times 10^{3}}{100} = 100 \times 10^{3}$ .

(3)  $t = 3 \text{ m} S$ 
 $V_{L} = 100 \times e^{2} = 100 \times 0.135 = 13.5 \text{ V}$ .

 $V_{L} = \frac{86.5}{40} = 2.1625 \text{ A}$ .

(4)  $t = 7.5 \text{ m} S$ 
 $V_{R} = 100 \times \frac{24.5}{24.5} = 50 \text{ V}_{M}$ .

(b)  $Z = \frac{30.1}{100} = \frac$