Attribution Nidhal Abdulaziz

Tutorial 8 additional solutions

Question 8

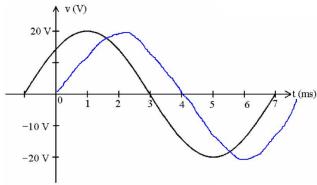


Figure 13.4

8) See Figure 13.4. Write the general voltage equation that describes this waveform.

8) 20 sin(250 pi)t +45

$$V = V_{p} \sin(\omega t + 0)$$

Question 22

$$30 + 540 = 11 / 6$$

$$V_{p} = \sqrt{30^{2} + 40^{2}} = 50V$$

$$Q = 4 = \frac{1}{30} = 53.1$$

$$V = 50 / 53.1$$

Question 39

Q.39
$$V = 25 / 30$$
 $f = 1000 1 + 2$
 $V = 25 / 30$
 $V = 25 / 30$
 $V = 1000 1 + 2$
 $V = 1000 1 + 2$