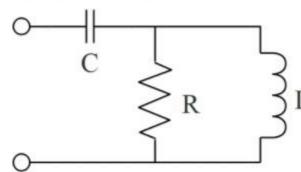
() Given that R = 5 Ω , L = 3 H, C = 1/3 F, if the net impedance is resistive, find the required frequency of the circuit?

() Given that $R = 5 \Omega$, L = 3 H, C = 1/3 F, if the net impedance is resistive,





Note: Two versions will be given to avoid misunderstandings, the text version (black) and the image version (blue). If the two contents conflict, please refer to the image version first.

$$\omega = 1 \text{ rad/s}$$

 $\omega = 1 \text{ rad/s}$

 $\omega = 0.5 \text{ rad/s}$

 $\omega = 1.25 \text{ rad/s}$

$$\omega = 0.5 \text{ rad/s}$$

$$\omega = 1.25 \text{ rad/s}$$

$$\omega = 2 \text{ rad/s}$$

$$\omega = 2 \text{ rad/s}$$

1 / 1 pts

$$V_1(t)$$
 $V_1(t)$
 V

Note: Two versions will be given to avoid misunderstandings, the text version (black) and the image version (blue). If the two contents conflict, please refer to the image version first.

$$i(t) = \sqrt{2}\cos(200t + 45^\circ)$$

$$i(t) = 2\cos(200t)$$

 $i(t) = 2\cos(200t)$

 $i(t) = \sqrt{2}\cos(200t + 45^{\circ})$

Question 2

$$i(t) = \sqrt{2}\cos(200t)$$

$$i(t) = \sqrt{2}\cos(200t)$$

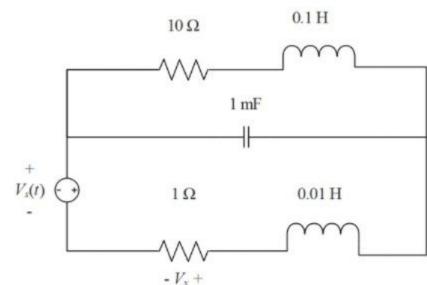
$$i(t) = 10\cos(200t + 45^{\circ})$$

 $0.i(t) = 10\cos(200t + 45^{\circ})$

$$i(t) = 10\cos(200t + 45^\circ)$$

() Given that $V_s(t) = 10 \sin(100t + 90^\circ)$, determine $V_x(t) = 10 \sin(100t + 90^\circ)$

() Given that
$$V_s(t) = 10 \sin(100t + 90^\circ)$$
, determine $V_x(t)_\circ$



Note: Two versions will be given to avoid misunderstandings, the text version (black) and the image version (blue). If the two contents conflict, please refer to the image version first.

540°

- 0.3320°
- 0.33∠0°
- 0.33 ∠ 90°

0.33290°

5490°

5 Z 90°