

Microsystems Engineering
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Knowledge Test - Answers

1.

- a) $8.854 \cdot 10^{-13} \text{ F}$
- b) $44.27 \cdot 10^{-12} \text{ Ws}$
- c) $44.27 \cdot 10^{-9} \text{ N}$

2.

$$R_x = 250 \Omega$$

3.

- a) 2V
- b) -2V

4.

$$C = \frac{2L}{R^2 + \omega^2 L^2}$$