

**Chapter 9, Problem 2.**

A current source in a linear circuit has

$$i_s = 15 \cos(25\pi t + 25^\circ) \text{ A}$$

- (a) What is the amplitude of the current?
- (b) What is the angular frequency?
- (c) Find the frequency of the current.
- (d) Calculate  $i_s$  at  $t = 2$  ms.