

**31.74.** (a) At what angular frequency is the voltage amplitude across the *resistor* in an  $L$ - $R$ - $C$  series circuit at maximum value? (b) At what angular frequency is the voltage amplitude across the *inductor* at maximum value? (c) At what angular frequency is the voltage amplitude across the *capacitor* at maximum value? (You may want to refer to the results of Problem 31.51.)