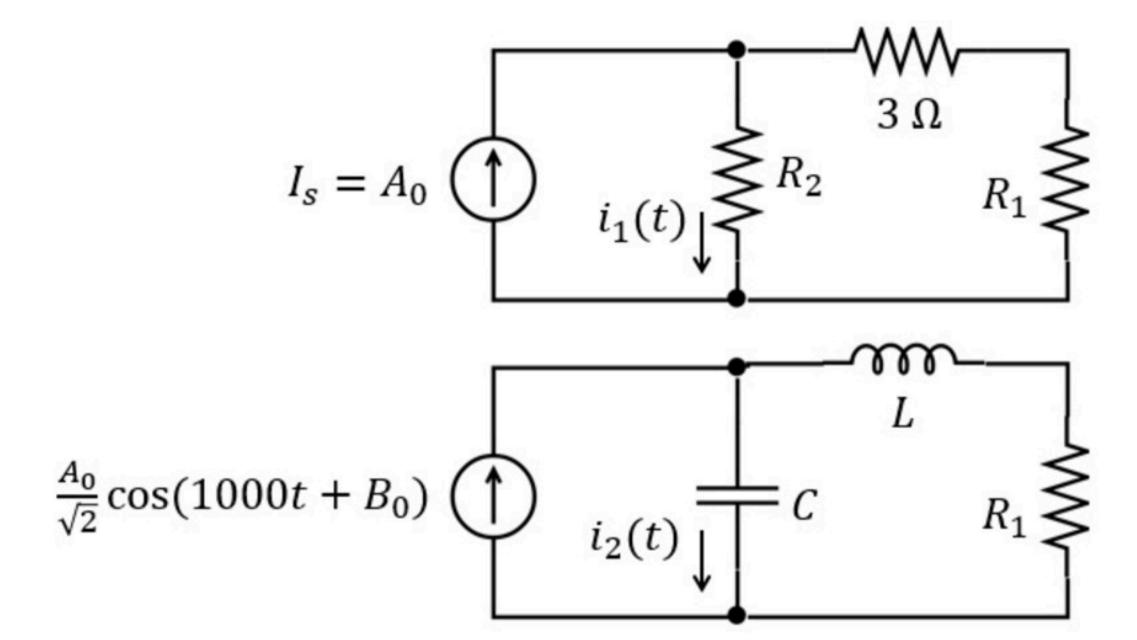
Find the steady-state currents $i_1(t)$ and $i_2(t)$.

$$i_1(t) = A_1$$

$$i_2(t) = A_2 \cos(1000t + B_2)$$
 with $-180^\circ < B_2 \le 180^\circ$



Given Variables:

A0:2A

B0: 25 degrees

C: 200 uF

L:3 mH

R1:6 ohm

R2:3 ohm

Calculate the following:

A1 (A):

1.5

A2 (A):

1.5

B2 (degrees):

70