

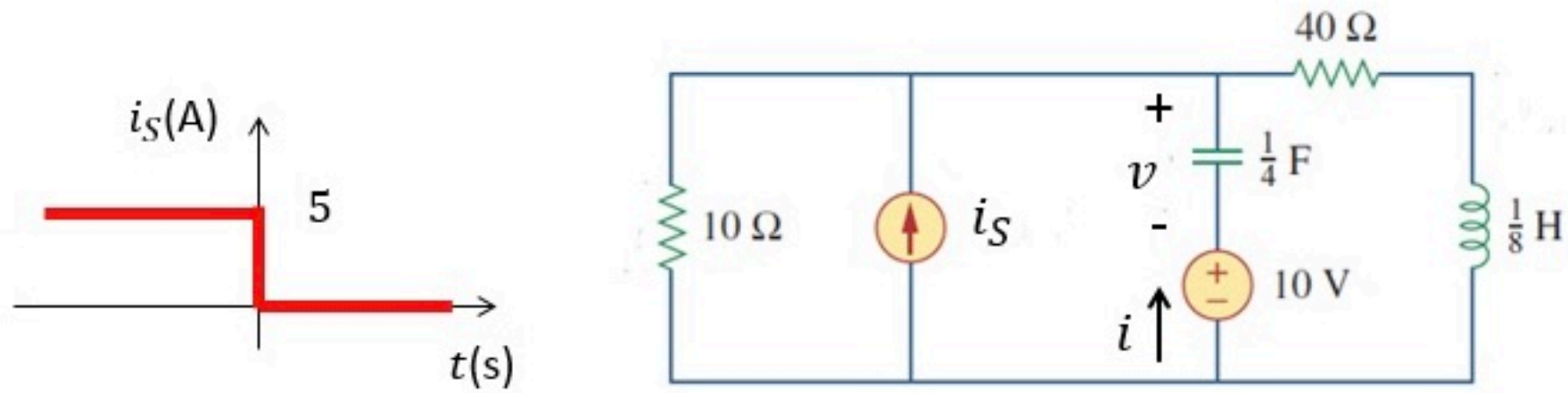
PP Second order circuits 002

Unlimited Attempts.

Find $i_1 = i(0^-)$ and $v_1 = v(0^-)$

Find $i_2 = i(0^+)$ and $v_2 = v(0^+)$

Find $i_3 = i(\infty)$ and $v_3 = v(\infty)$



Given Variables:

. . .

Calculate the following:

i_1 (A) :

0

✓

v_1 (V) :

30

✓

i_2 (A) :

5

✓

v_2 (V) :

30

✓

i_3 (A) :

0

✓

v_3 (V) :

-10

✓

Hint: Capacitors and inductors in steady state behave as opens and shorts.