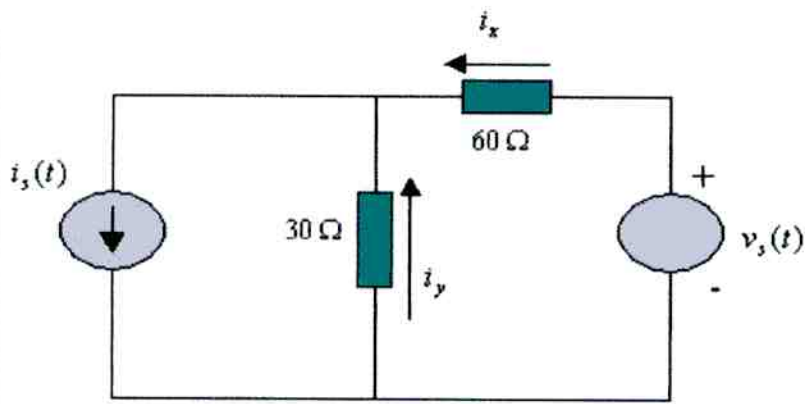


Find $i_y(t)$ if $v_s(t)=90u(t)V$ and $i_s(t)=3u(t-1)A$.



a.

$$i_y(t) = 1.5u(t) - 2u(t-1)A$$

b.

$$i_y(t) = u(t) + 2u(t-1)A$$

c.

$$i_y(t) = -2u(t) - 2u(t-1)A$$

d.

$$i_y(t) = -u(t) + 2u(t-1)A$$