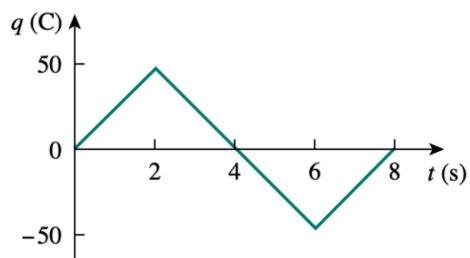The charge flowing in a wire is plotted in Fig. 1.21.
Sketch the corresponding current.

1.12   The current entering the positive terminal of a
        device is $i(t) = 3e^{-2t}$ A and the voltage across the
        device is $v(t) = 5\,di/dt$ V.
        (a) Find the charge delivered to the device between
            $t = 0$ and $t = 2$ s.
        (b) Calculate the power absorbed.
        (c) Determine the energy absorbed in 3 s.

1.15   Find the power absorbed by each of the elements in
        Fig. 1.26.