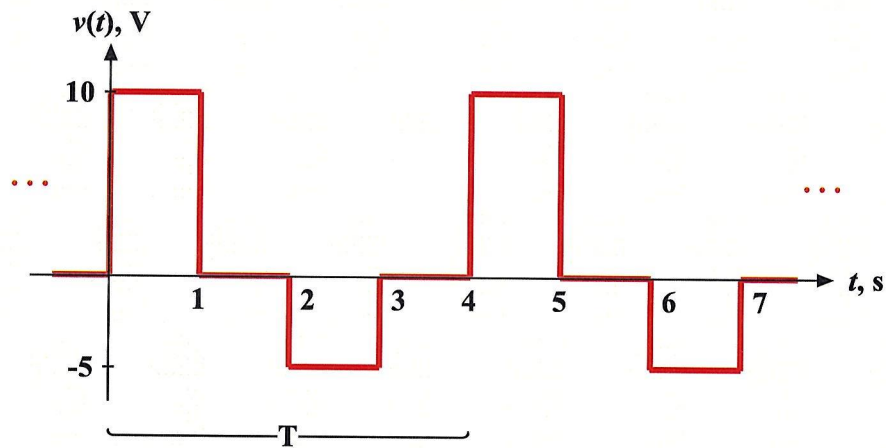The waveform shown below is periodic.

a. Find the average value of the signal, V_{ave}.

$$V_{ave} = \frac{(10 \times 1) + (-5 \times 1)}{4} = \frac{5}{4} \text{ V} \quad or \quad 1.25 \text{ V}$$

b. Find the effective value of the signal, V_{eff}.

$$V_{eff} = V_{rms} = \sqrt{\frac{(100 \times 1) + (25 \times 1)}{4}} \approx 5.59 \text{ V}$$