12. The voltage, $V(t)$, produced by a generator is described by the function $V(t) = 120\sin 100\pi t$, $t > 0$, where $t$ is the time in seconds.

(a) Determine the period of $V(t)$.

(b) Find the first three times for which $V(t) = -60$.

Answers

(a) $\frac{1}{50}$ or 0.02

(b) $\frac{7}{600}$, $\frac{11}{600}$, $\frac{19}{600}$