

# Inductors

1.

There is a current  $i = 5 \sin 10t$  A through an inductance  $L = 2$  H. What is the first instant of time after when the power entering the inductor is exactly:

- (a) 100 W
- (b) -100 W

2. The variation of current through a 25 mH inductor as a function of time is shown below, please find the voltage across the inductor.

