

MSC Chapter 5 set 8 questions

Thermodynamics

1st Law

- 1) Total input for an engine over a give period of time is 500 kJ. Of this amount, 300 kJ must be discharged as heat in order to keep operating. How much energy is available for work?

ANS: _____

- 2) If a heat pump is rated as 130 % efficient, how much heat can a 1500 W this heat pump provide in 1.00 hour?

ANS: _____