P # H

Ch 17.

a) $m = 250\ g = .250\ kg$

$g = 9.8\ m/s^2$

$v = .50\ m/s$

$P = F \cdot v = (.250\ kg)(9.8\ m/s^2)(.50\ m/s)$

$\boxed{P = 1.23\ W}$

b) $P = 1.23\ W$

$V = 9.0\ V$

$P = I \cdot V$ so $(1.23\ W) = (I) \cdot (9.0\ V)$

$\boxed{I = .14\ A}$