p208

34.

$a = 2.6\ m/s^2$

$m = M$

$F_{net} = ma$

$F = (2.6\ m/s^2)M$

now this same force acts on $2M$

$F_{net} = ma$

$(2.6\ m/s^2)M = 2M\,a$

$a = \frac{2.6\ m/s^2}{2}$

$a = 1.3\ m/s^2$

OR

$a = \frac{F_{net}}{m}$

$a \propto \frac{1}{m}$

35.

$a = \frac{F_{net}}{m}$

$a' = \frac{5F_{net}}{2m}$

$a' = \frac{5}{2}\left(\frac{F_{net}}{m}\right)$

$a' = \frac{5}{2}a$