

M3 Activity 5.2, #2 & 3  
(pg. M3-76)

②  $BSA = \frac{\sqrt{W \cdot H}}{60}$

$BSA = m^2, W = kg, H = cm$

a)  $60 BSA = \sqrt{W \cdot H}$

b)  $H = \frac{(60(2.1))^2}{90}$

$(60 BSA)^2 = W \cdot H$

$H = \frac{(60 BSA)^2}{W}$

$H = 176.4 \text{ cm}$

b)  $H = \frac{60^2 (W)}{90}$

$H = 1$

③  $T = 2\pi \sqrt{\frac{L}{32}}$

a)  $\frac{T}{2\pi} = \sqrt{\frac{L}{32}}$

b)  $L = 32 \left(\frac{4}{2\pi}\right)^2$

$\left(\frac{T}{2\pi}\right)^2 = \frac{L}{32}$

$L = 12.97 \text{ feet}$

$L = 32 \left(\frac{T}{2\pi}\right)^2$