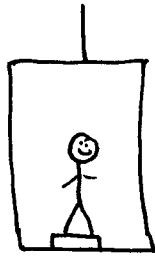
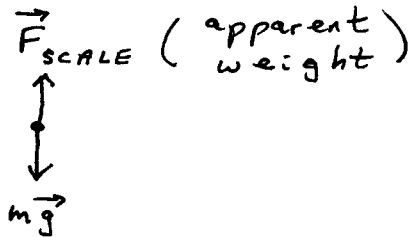


Exercise 8-13



Forces on student:



$$\uparrow +y \quad \Sigma F_y = ma_y$$

$$\therefore F_{SCALE} - mg = ma_y$$

$$\therefore 550 - (66.0)(9.80) = 66.0 a_y$$

$$\therefore a_y = -1.47 \text{ m/s}^2$$

\therefore the accel'n. is 1.47 m/s^2 downward