**Problem 1.19E**

A 150-lbm astronaut took his bathroom scale (a  spring scale) and a beam scale (compares masses) to the moon where the local gravity is *g* = 5.48 ft/s2. Determine how much he will weigh (a) on the spring scale and (b) on the beam scale.

Answer: (a) 25.5 lbf, (b) 150 lbf