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/s^2. 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