**Test Case 1: name: Gwendolyn, weight = 115, travel speed = 600 mph, planet = Saturn**

Saturn is 793 million miles from Earth (886-93= 793)

Starting at earth and traveling at 600 mph that would take Gwendolyn 1321666.667 hours to reach Saturn (793/600 = 1.321670, 1.321670 \* 1000000 = 1,321,670)

1321666.667 total hours

1321666.667 /24 = 55069.44444 total days

55069.44444 /365 = 150.8751903 total years  
(150.8751903 – 150) \* 365 = 319.4444444 rounded days

(319.4444444 – 319) \* 24 = 10 .66666674 rounded hours

(10 .66666674 – 10) \* 60 = 40.00000426 rounded minutes

(40.00000426 – 40) \* 60 = 0.00025536 seconds

So Gwendolyn’s journey from Earth to Saturn at 600mph would take 150 years, 319 days, 10 hours, 40 minutes, and 0 seconds and once there they would weight 134.55 units of measure (115\*1.17 = 134.55)

**Test Case 2: name: Wallace, weight 215, travel speed = 1150 mph, planet = Mercury**

Mercury is 57 million miles from earth (93-36 = 57)

Starting at earth and traveling at 1150 mph that would take William 49565.22 hours to reach Saturn (57/600 = 0.049565217, 0.049565217\* 1000000 = 49565.22)

49565.22 total hours

49565.22/ 24 = 2065.2175 total days

2065.2175/365 = 5.658130137 total years

(5.658130137 – 5 ) \* 365 = 240.2175 Rounded days

(240.2175 – 240)\*24 = 5.22 Rounded hours

(5.22 -5) \* 60 = 13.2 Rounded Minutes

(13.2-13) \* 60 = 12 Seconds

So Wallace’s journey from Earth to Mercury at 1150mph would take 5 years, 240 days, 5 hours, 13 minutes, and 12 seconds and once there they would weight 58.05 units of measure (215\*0.27 = 58.05)