

**33. Incorrect. The answer is true not false.** Your expected loss is the expected value of your load loss or  $\sum P(X_i) * X_i$ , where  $X_i$  is load loss for the three cases  $X_1=0$ ,  $X_2=5$ ,  $X_3=6$ , and  $P(X_i)=$  the probability of load loss  $X_i$  written as a fraction. To compute, divide probabilities by 100 to change them to the fraction of the time there is load loss and compute.

$$E(X) = 0.91 * 0 + 0.03 * 5 + 0.07 * 6 = 0.57.$$