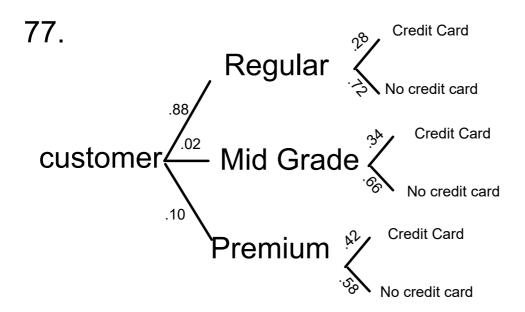## 5.3-2 Answers: Page 334, #67,71,73,77

_____

67. a. P(not English) = 1 = .59 = .41

   b. P(Spanish|other than English) = .26/.41

                                    = .6341

_____

71. P(YT|FB) = .66/.85 = 0.7765

_____

73. P(download music) = .29

     P(don't care download music) = .67

     P(download music ∩ don't care) = .29 x .67

                          = 0.1943 = 19.4%

77.

b. P(credit card) = (.88)(.28) + (.02)(.34) +

$$(.10)(.42) = .2952$$

c. P(premium gas | credit card) = .042/.2952

$$= 0.142$$