4.13, 4.15b, 4.23, 4.25

4.27

Rework, using the "not" rule: 4.23b, 4.25c,e

4.75

4.85, ignore "Venn diagram", as intermediate steps, find:
  (a,i) P{Coffee and not Tea and Cola} (0.20)
  (a,ii) P{Coffee and Tea and not Cola} (0.10)
  (a,iii) P{Tea and not Cola} (0.15)
  (a,iv) P{Tea and Cola} (0.10)
  (a,v) P{not Coffee and Tea and Cola} (0.05)
  (a,vi) P{not Coffee and not Tea and Cola} (0.15)
  (b,i) P{Coffee or Tea} (0.65)
  (b,ii) P{(Coffee or Tea) or(not Coffee and not Tea and Cola)} (0.80)
  (b,iii) P{Coffee or Tea or Cola} (0.80)
  (b,iv) P{not (Coffee or Tea or Cola)} (0.20)

4.21, 4.22 (0.65, 0.38, 0.62)

4.81, 4.83, 4.87