10. Correct. The answer is true. Solve by setting Qs = Qd and substituting in all the variables that are fixed.

Qd = 100 - 2Pc + 0.5Psb - 3Pcm + 0.1Y

= 100 - 2Pc + 0.5*15 - 3*10 + 0.1*100

= 87.5 - 2Pc

Qs = -10 + 2Pc - 1Pk - 0.2Pl - 0.4Pnr

= -10 + 2Pc - 1*2 - 0.2*3 - 0.4*5

= -14.6 + 2Pc.

Solve 87.5 - 2Pc = -14.6 + 2Pc for Pc.

102.1 = 4Pc -> Pc = 25.525, Qo = 87.5 - 2*25.525 = 36.450.