2. 4.5
$$Dx = Ex^{2} E^{2}x$$

$$E(X-Y)^{2} = D(x-Y) + E^{2}(x-Y)$$

$$= Dx + DY - 2 cov(x,Y) + (Ex-EY)^{2}$$

$$= (x-2(1.3))$$

$$P = \frac{cov}{2} = 0.7 = 6.7$$