

1. ${}_6C_4 \cdot 0.2^4(1 - 0.2)^2 = 0.01536 = \frac{15 \cdot 16}{5^6} = \frac{48}{5^5}$

2. $6 \times 0.2 = 1.2.$

3. $6 \times 0.2 \times (1 - 0.2) = 0.96$

1. $X = 50 + 2Y.$

2. $E[Y] = 10 \cdot 0.2 = 2$ より, $E[X] = 50 + 2E[Y] = 54.$

3. $V[Y] = 10 \cdot 0.2 \cdot (1 - 0.2) = 1.6$ より, $V[X] = 2^2V[Y] = 6.4$