

$$1) E[X] = 0.2 \cdot 2 + 0.3 \cdot 4 + 0.1 \cdot 5 + 0.2 \cdot 6 + 0.2 \cdot 8 = 4.9$$

$$\underline{\underline{E[Y] = E[2X+3] = 2E[X] + 3 = 12.8}}$$

