

Solutions

Each answer shows the steps, then the **result**.

2.1

- $\mu_X = \sum x_i \cdot P(x_i)$

2.2

- $\mu_X = 1(0.5) + 3(0.5) = 2$

2.3

- the expected value

3.1 B

3.2 B

3.3

(a)

- $\mu_X = 2(0.4) + 5(0.6) = 0.8 + 3 = 3.8$

(b)

- 1