

$$E(X) = 1 \times \frac{1}{12} + 2 \times \frac{1}{12} + 3 \times \frac{1}{12} + 4 \times \frac{1}{12} + 5 \times \frac{1}{6} + 6 \times \frac{1}{2} = \frac{14}{3}$$