

$$\left[\frac{(x-3)^2}{4} \right]$$

$$= \sum_{x=1}^{\infty} (x-3)^2 f(x)$$

$$= 4 \cdot \frac{1}{10} + 1 \cdot \frac{2}{10} + 0 \cdot \frac{3}{10} + 1 \cdot \frac{4}{10}$$
$$= 1$$