

The discrete random variable X has the following probability distribution.

x	-2	0	1	3	4
$P(X = x)$	0.2	0.1	p	0.1	q

(i) Given that $E(X) = 1.7$, find the values of p and q . [4]

[illegible]

(ii) Find $\text{Var}(X)$. [2]

[illegible]