

- A fair die with faces numbered 1, 2, 2, 2, 3, 6 is thrown. The score, X , is found by squaring the number on the face the die shows and then subtracting 4.

(i) Draw up a table to show the probability distribution of X . [3]

This image shows a full page of white paper with ten horizontal dashed lines, typical of primary-ruled notebook paper. The lines are evenly spaced and extend across the width of the page. There is no handwriting or other markings on the paper.

(ii) Find $E(X)$ and $\text{Var}(X)$. [3]

[illegible]