

- 2** A fair 6-sided die has the numbers 1, 2, 2, 3, 3, 3 on its faces. The die is rolled twice. The random variable  $X$  denotes the sum of the two numbers obtained.

(a) Draw up the probability distribution table for  $X$ . [3]

[illegible]

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

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