

A fair red spinner has edges numbered 1, 2, 2, 3. A fair blue spinner has edges numbered  $-3, -2, -1, -1$ . Each spinner is spun once and the number on the edge on which each spinner lands is noted. The random variable  $X$  denotes the sum of the resulting two numbers.

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

[illegible]

- (b)** Given that  $E(X) = 0.25$ , find the value of  $\text{Var}(X)$ . [2]

[illegible]