The following table shows the probability distribution of a discrete random variable \boldsymbol{X} .

Х	-2	-1	0	1	3
P(X = x)	0.3	а	0.2	0.15	b

If \boldsymbol{X} represents the return from a game. Find \boldsymbol{a} and \boldsymbol{b} if the game is fair.

0.3 + a + 0.2 + 0.15 + b = 1
a+b=0.35
$-2 \times 0.3 + (-1) \times a + 0 \times 0.2 + 1 \times 0.15 + 3 \times b = 0$
-0.6 - a + 0.15 + 3b = 0
-a+3b=0.45
0.35
0.45
0.8
0.2
0.15