Exercise 6C χ^2

1)

H_0 : Can be modelled by discrete uniform dist
H_1 : Cannot

Dice Num	1	2	3	4	5	6
O_i	16	11	13	15	8	9
E_i	12	12	12	12	12	12

72 rolls

$$\nu = 5 \qquad \text{Sig level} \quad 5\%$$

critical value   11.07

$$\sum \frac{O_i^2}{E_i} - N \approx \frac{229}{3} - 72 = 4.3$$

$$4.3 < 11.07$$

There is no evidence to support view dice biased. Accept null hypothesis can model with discrete uniform distribution.