A die was rolled 120 times and the number of outcomes of each face of the die was observed. On a fair dice, each outcome is equally likely. Use this information to determine if the dice is fair.

Die	Observed
1	10
2	25
3	30
4	20
5	30
6	5

Do these results provide evidence that the die is fair? Use an 0.05 level of significance. Assume that the mean differences are approximately normally distributed.

- 1. State the Type of Hypothesis or the TI calculator function to be used (and any settings):
- 2. State the Null and Alternative Hypotheses:

 $H_0$ :

 $H_a$ :

3. List all the data entered into your calculator to find the test statistic, or state the formula used if solving by hand.

4. Provide the output of the calculator. If solving by hand, find the test statistic and convert this value to a P-value using your calculator or the table.

5.	Graph the critical values and the test statistic on the normal distribution.
6.	What is your conclusion based on the critical values/test statistic, or the significance levels/p-values? Do you reject the null or fail to reject the null?
7.	Restate your conclusion in the context of the problem (circle your choice):  There IS/IS NOT sufficient evidence the die IS/IS NOT fair.