Exercise 1	Calc. : 🗸
Value of a house in one of the European capitals can be described using a model	
$V(t) = 425 \ 000 \cdot 1.025^t$	
where t is the number of years since it was purchased by its current owner, Mr Anderson, and $V(t)$ is expressed in euros.	
1. Determine how much did Mr Anderson pay for this house.	1 mark
2. Calculate what the house will be worth 6 years after it was purchased by Mr Anderson (rounded to two decimals)	2 marks
3. Calculate what the house will be worth 18 months after it was purchased by Mr Anderson (rounded to two decimals).	3 marks
4. Calculate how many years after the purchase by Mr Anderson, the value of the house will exceed 600,000 euro.	4 marks
Mr Johnson has just bought a house in different European capital for 350,000 euros. The value of houses in this city increases by 7% per year.	
5. Calculate what will the value of the house be in 5 years.	4 marks

Exercise 2 Calc. : 🗸 A teacher wants to analyze the performance of two classes (Class A and Class B) in a recent math exam. The exam scores for class A are recorded as follows: Class A: {3, 4, 5, 5, 6, 6.5, 7, 7, 7, 8.5, 9, 10} 1. Calculate the mean and interpret it. 2 marks 2. Give the standard deviation and interpret it. 2 marks 3. Draw a boxplot of the data set. 4 marks The teacher accidently deleted the exam scores for class B and just has the Boxplot, that he plotted of the scores, left. The boxplot looks like this: 2 4 5 7 9 10 3 6 8 4. Compare the two boxplots and describe what it means for the results of the two different 3 marks classes. Give at least two important conclusions.

