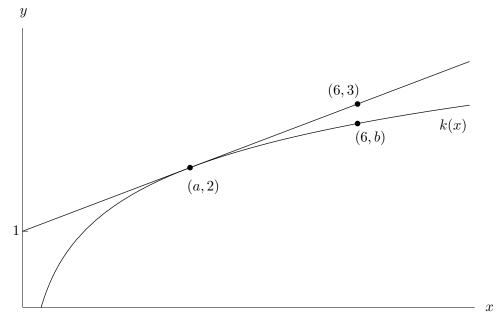
5. [10 points] The figure below shows the graph a function k(x) and its tangent line at a point (a, 2). The average rate of change of k(x) between x = a and x = 6 is 1/6.



Find **exact** numerical values for the following. If it is not possible to find a value, write "NP". You do not need to show your work.

a. [2 points] a =_____.

b. [2 points] b =_____.

c. [2 points] k'(2) =_____.

- **d**. [2 points] k'(a) =_____.
- **e**. [2 points] k'(6) =_____.