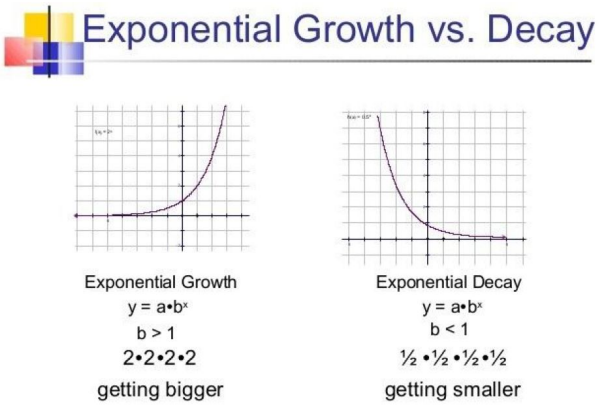
# Problem 1. Project Description

**Abstract**

This exponential function ab$^x$*meansyincreasesexponentiallyasraisingx.Theinitialquantityisgivenbythe* 0*andy* = *aleft*).*Herevaluebisthegrowthfactor.*

If we limit b to 0¡b¡1, the function will decline (depicted below) and if b¿1, the function will increase.




1.JPG

Figure 1: Figure 1: y = ab$^x$

Properties of the function y=arccos(x) that make it unique from other inverse trignometric functions:

1. Domain is in the range of [(- to )].
2. Range is part of [0, ].