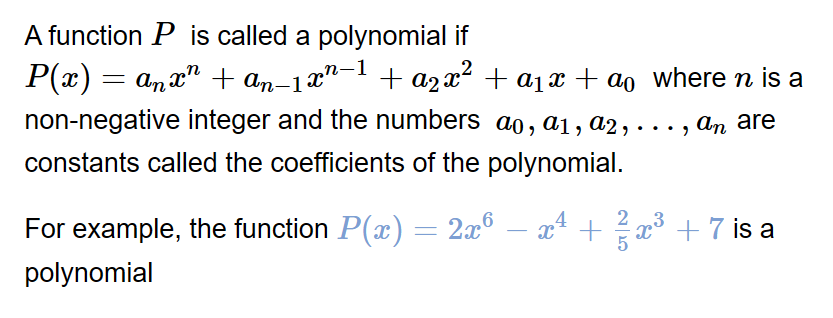
Mathematics 1A module

Summaries and theory

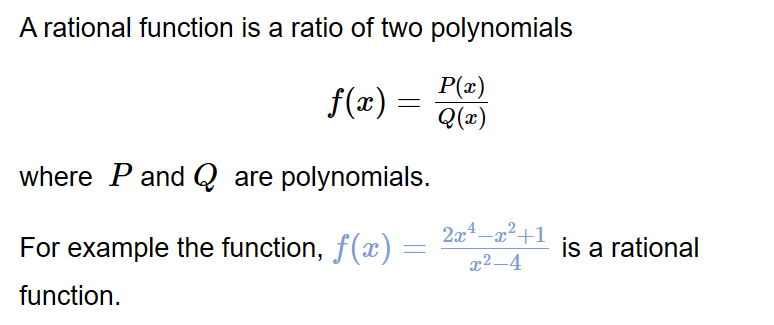
Week1

This document highlights functions and models

The linear function is f(x) = mx + c

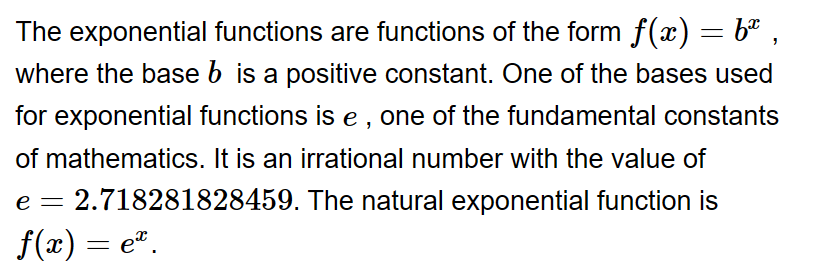


The power function encompasses f(x) = ax^n



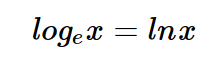
Algebraic functions encompass Poly, Power and Rational Functions.

Trigonometric functions are discussed and not summarized.



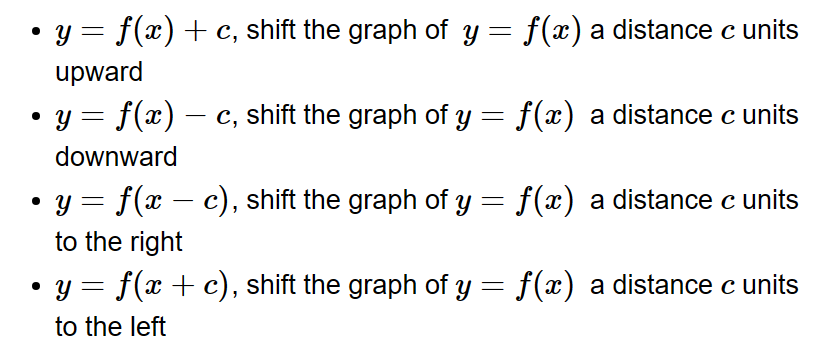
Logarithmic functions like f(x) = lnx or f(x) = ln(x)

The bottom is the given from the docs

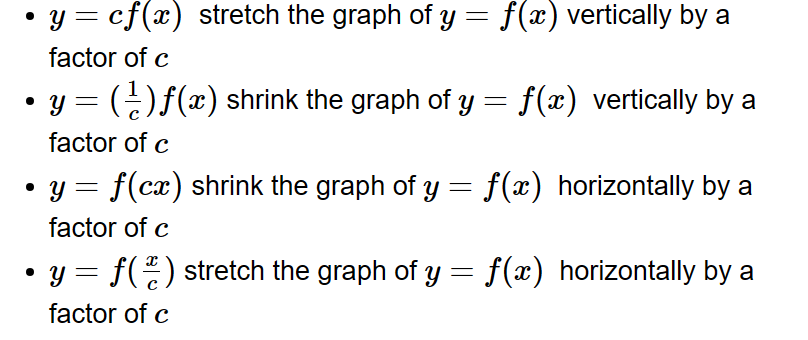


Transformations and functions

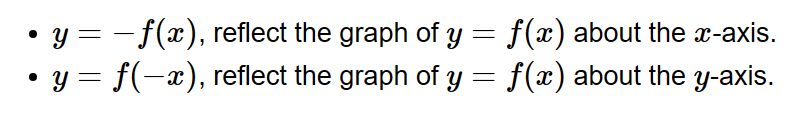
Vertical and horizontal shifts



Vertical and horizontal stretching



Reflecting



Composite functions

