Functions

- Definitions

    - relations & functions

    - domain & range

    - asymptotes

    - invariant points

    - descriptions of transformations (horizontal; vertical; translate; reflect; stretch by a factor of…)

- parent functions

    - $y = mx + b$
    - $y = x^2$
    - $y = x^3$
    - $y = \sqrt{x}$

    - $y = |x|$
    - $y = \dfrac{1}{x}$
    - $y = \sqrt{r^2 - x^2}$
    - $y = a^x$

    - others ☺

- horizontal & vertical translations

- horizontal & vertical reflections

$$y = af\big(k(x - p)\big) + q$$

- stretches & compressions

- inverse functions (graphical & algebraic)

- domain & range

Not on Test

- Solving exponential functions requiring logarithms

- Logarithms (MHF4U)