

# Week 12

## MATH1012 Tutorials

# Summary

- (1) Understand that Laplace Transforms convert Differential Equations into Algebraic Equations
- (2) Be familiar with how to use the Laplace Transform Table (On Formula Sheet)
- (3) Understand what the Heaviside Function is and how to use it in Laplace Transforms:

$$H(x) := \begin{cases} 1, & x \geq 0 \\ 0, & x < 0 \end{cases}$$

Thanks for Coming Around this  
semester.

Good luck with your  
Examinations