

## Mt#2 Marking Key

Q1

It's just one equation with the ratio, so the final answer is either right or wrong

Q2

0.25 marks for correctly finding  $R_{th}$

For  $V_{th}$ , if they do nodal or loop, and their nodal or loop equations are clear and right, then 0.25,

Q3

0.25 marks for finding  $6j// -3j = -6j$

Q4

if they use loop or nodal analysis, 0.25 for all the correct loop or nodal equations

Q5

0.25 marks for correctly finding  $\tau$

0.25 marks for correctly finding  $K_1$

Q6

simple current divider, so also either right or wrong

Q7

0.25 marks for knowing that Energy is  $\frac{1}{2}Li^2$

All questions -0.25 for a correct answer with the wrong sign.