## Sunday, 18 February 2018 7:24 pm



We already know that a quadratic has a line of symmetry down the centre. The X-value happens to coincide with the mid-point of the two solutions to the quadratic equation. When we find the X-value, we can find the Y-value and hence the maximum or minimum of the quadratic $\int_{-\infty}^{\infty} dx  dx$	$x = -\frac{b}{2a}$
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$\begin{array}{c} y = (x-3) - 6 \\ y = (3,-6) \end{array}$	
	=P .x=3

How to do this on the CAS

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(FP)

Work to be completed by the end of the lesson:

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MM Ex. 3E 1cegh 2begh 3cdfgl 4bc 5ac(CAS) 6aef(CAS)