

3.4 Further Trigonometry

At the end of this outcome I should...

I can do Revised

3.4.1 express $a\cos\theta + b\sin\theta$ in the form

$r\cos(\theta \pm \alpha)$ or $r\sin(\theta \pm \alpha)$

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3.4.2 solve, by expressing in one of the forms in 3.4.1, equations of the form

$a\cos\theta + b\sin\theta = c$

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3.4.3 find maximum and minimum values of expressions of the form

$a\cos\theta + b\sin\theta$

and find corresponding values of θ

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N.B. **Bold** type indicates Level A/B content.