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Yr 1 – Trigonometric Ratios

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(2) Prove that $\sin^4(x) - \cos^4(x) \equiv 1 - 2\cos^2(x)$
(3) Given that $x = 3 - \cos(\theta)$ and $y = 2 + 3\cos(\theta)$, show that $9x^2 + y^2 - 54x - 4y + 76 = 0$

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