Assignment 1 ICSE 10 2017

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$March\ 2022$

9.c Prove But $\cos 2\theta = 2\cos^2 \theta - 1$ (2)

 $\frac{\sin\theta - 2\sin^3\theta}{2\cos^3\theta - \cos\theta} = \tan\theta$ $\cos 2\theta = 1 - 2\sin^2\theta$ (3)

implies Solution:

 $=\frac{\sin\theta\cos2\theta}{\cos\theta\cos2\theta}$ (4) $= \frac{\sin\theta(1 - 2\sin^2\theta)}{\cos\theta(2\cos^2\theta - 1)}$ (1) (5)