

Dr Oliver Mathematics
Worked Examples
Indices 1

From: Edexcel GCSE Mathematics (9-1) Practice Tests Set 14: Paper 1H (Non-calculator)

1. Given that

$$M = \frac{18^{4n} \times 2^{3(n^2-6n)} \times 3^{2(1-4n)}}{12^2},$$

(6)

find the values of n for which $M = 2$