

NOTE:

- If a candidate answers a question/vraag **TWICE**, only mark the **FIRST** attempt.
- Consistent accuracy applies in all aspects of the marking memorandum.

LET WEL:

- Indien 'n kandidaat 'n vraag **TWEE** keer beantwoord, merk slegs die **EERSTE** poging.
- Volgehoue akkuraatheid is **DEURGAANS** in **ALLE** aspekte van die memorandum van toepassing.

QUESTION/VRAAG 1

1.1.1	$3x^2 - 4x = 0$ $x(3x - 4) = 0$ $x = \frac{4}{3}$ or $x = 0$	✓ factors ✓ both answers (2)
1.1.2	$x - 6 + \frac{2}{x} = 0$ $x^2 - 6x + 2 = 0$ $x = \frac{-(-6) \pm \sqrt{(-6)^2 - 4(1)(2)}}{2(1)}$ $= \frac{6 \pm \sqrt{28}}{2}$ $x = 0,35$ or $x = 5,65$ OR $x - 6 + \frac{2}{x} = 0$ $x^2 - 6x + 2 = 0$ $(x - 3)^2 = -2 + 9$ $(x - 3) = \pm\sqrt{7}$ $x = 3 \pm \sqrt{7}$ $x = 0,35$ or $x = 5,65$	✓ $x^2 - 6x + 2 = 0$ ✓ subs into correct formula ✓ $x = 0,35$ ✓ $x = 5,65$ (4)
1.1.3	$x^{\frac{2}{3}} = 4; x > 0$ $x = (2^2)^{\frac{3}{2}}$ $x = 8$ OR	✓ $x = (2^2)^{\frac{3}{2}}$ ✓ $x = 8$ (2)

2014 Exemplar Grade 12

Eugene G. Johnson



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The NAEP ... Technical Report, 2001 **The NAEP 1992 Technical Report** Eugene G. Johnson, 1994 *APC Question Bank and Sample Papers in Mathematics for Class 12 - Arya Publishing Company* M.L. Aggarwal, Question Bank and Sample Papers in Mathematics for Class XII by Prof M L Aggarwal has been written according to the changed style of question paper relevant for 2015 Board Examinations The Salient Features of the book are Latest Sample Papers issued by the CBSE for 2015 Examinations with solutions Chapterwise Basic Concepts and Important Results Chapterwise Assignments for Practice 1 mark 4 marks 6 marks Chapterwise Questions from Previous Years Board Papers Ten Sample Papers for Practice 4 Solved 6 Unsolved CBSE Examination Paper 2014 Fully Solved Delhi and Outside Delhi *Computational Intelligence In Manufacturing Handbook* Jun Wang, Andrew Kusiak, 2000-12-27 Despite the large volume of publications devoted to neural networks fuzzy logic and evolutionary programming few address the applications of computational intelligence in design and manufacturing Computational Intelligence in Manufacturing Handbook fills this void as it covers the most recent advances in this area and state of the art applicati Intervention in Child Language Disorders Ronald B. Hoodin, 2010-08-06 **The pulpit commentary, ed. by H.D.M. Spence and J.S. Exell.** nT Henry Donald Maurice Spence-Jones, 1889

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Gegenbaurs morphologisches Jahrbuch ,1892 *The Sunday-school World* ,1889 **The Diatessaron of Tatian and the Synoptic Problem** Alphonzo Augustus Hobson,1904 **Amtsblatt für den Regierungsbezirk Düsseldorf** ,1880

Harpers' Latin Dictionary Ethan Allen Andrews,Charlton Thomas Lewis,Charles Short,1879 *Gegenbaurs morphologisches Jarbuch und Beitrage aur Anatomie funktioneller Systeme* ,1892 **The Expository Times** ,1895 □□□□
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