

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.*
- *Volgestuurde akkuraatheid is **DEURGAANS** in **ALLE** aspekte van die memorandum van toepassing.*

QUESTION/VRAAG 1

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

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Great Britain

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Computer Vision -- ECCV 2014 David Fleet, Tomas Pajdla, Bernt Schiele, Tinne Tuytelaars, 2014-08-14 The seven volume set comprising LNCS volumes 8689 8695 constitutes the refereed proceedings of the 13th European Conference on Computer Vision ECCV 2014 held in Zurich Switzerland in September 2014 The 363 revised papers presented were carefully reviewed and selected from 1444 submissions The papers are organized in topical sections on tracking and activity recognition recognition learning and inference structure from motion and feature matching computational photography and low level vision vision segmentation and saliency context and 3D scenes motion and 3D scene analysis and poster sessions

The Oxford Handbook of Computational and Mathematical Psychology Jerome R. Busemeyer, 2015 This Oxford Handbook offers a comprehensive and authoritative review of important developments in computational and mathematical psychology With chapters written by leading scientists across a variety of subdisciplines it examines the field's influence on related research areas such as cognitive psychology developmental psychology clinical psychology and neuroscience The Handbook emphasizes examples and applications of the latest research and will appeal to readers possessing various levels of modeling experience The Oxford Handbook of Computational and mathematical Psychology covers the key developments in elementary cognitive mechanisms signal detection information processing reinforcement learning basic cognitive skills perceptual judgment categorization episodic memory higher level cognition Bayesian cognition decision making semantic memory shape perception modeling tools Bayesian estimation and other new model comparison methods and emerging new directions in computation and mathematical psychology neurocognitive modeling applications to clinical psychology quantum cognition The Handbook would make an ideal graduate level textbook for courses in computational and mathematical psychology Readers ranging from advanced undergraduates to experienced faculty members and researchers in virtually any area of psychology including cognitive science and related social and behavioral sciences such as consumer behavior and communication will find the text useful

Applied Behavior Analysis of Language and Cognition Mitch J Fryling, Ruth Anne Rehfeldt, Jonathan Tarbox, Linda J. Hayes, 2020-03-01 Applied behavior analysis is an evidence based mental health approach that focuses on the principles of learning and applying what is learned to change client behavior Written by leading experts in language and cognition this is the first applied behavior analysis textbook to bring the study of language and verbal behavior into the 21st century with the latest research Students and clinicians in the burgeoning field of applied behavior analysis will find the theoretical foundation they need to effectively serve the increasingly diverse clients seeking their services

Los Angeles Union Station Marlyn Musicant, 2014-05-02 Union Station today is a celebrated architectural icon and vibrant centerpiece of Los Angeles's regional transportation network Designed by John and Donald B Parkinson its mission revival architecture speaks to a mythic vision of Spanish heritage but with streamline moderne and art deco details At first glance this masterpiece conceived as a magnificent gateway to the growing metropolis offers no hint of the civic

financial and legal battles surrounding its development siting style and construction battles that were waged across decades in the early twentieth century and that went as high as the U S Supreme Court Los Angeles Union Station explores this compelling example of how transit and corporations disrupted regional balances of power and political economies Aided by new research and beautiful drawings from the Getty Research Institute s archive the authors demonstrate how contentious politics informed architectural design and the many ways in which Union Station was at the heart of the rise of Los Angeles The book accompanies the exhibition No Further West on view at the Los Angeles Public Library from May 2 through August 10 2014

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