



Australian Government

Assessment Requirements for FSKNUM031 Apply specialised mathematical calculations for work

Release: 1

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Modification History

Release	Comments
Release 1	This version first released with FSK Foundation Skills Training Package Version 2.0.

Performance Evidence

The candidate must demonstrate the ability to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including evidence of the ability to:

- perform a broad range of multi-step mathematical problem solving processes with rational and irrational numbers to complete a sophisticated workplace task, including at least two of the following:
 - apply and transpose relevant formulas
 - use and apply laws of indices and powers
 - manipulate and simplify rational and irrational numbers
 - perform applications or calculations from a specialist area of mathematics
- make estimations to check problem solving outcomes and determine appropriate accuracy required for above task
- critically review mathematic processes and outcomes obtained during the above, evaluating real-world implications.

In the course of the above the candidate must demonstrate use of relevant technology such as CAS calculator, spreadsheets or other mathematical or workplace software

Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including knowledge of:

- at least two of the following:
 - use and application of rational and irrational numbers
 - purpose of indices and powers and application of index laws
 - use, application and interpretation of relevant complex formulas and their transposition
 - use, application and interpretation of relevant calculations from a specialist area of mathematics
- problem solving techniques to analyse results

- purpose, function and use of relevant technology such as CAS calculator, spreadsheets or other mathematical or workplace software
- implications of calculations and results for workplace tasks
- specialised and formal mathematical language and symbolism relevant to workplace task
- specialised mathematical oral language relevant to workplace task.
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Assessment Conditions

Competency is to be assessed in the workplace, a workplace simulated environment or a vocational training context.

Assistive technologies can be utilised to assist with oral and written communication.

Skills must be demonstrated independently, using highly complex texts and tasks that reflect those typically found in a workplace.

The following resources are to be made available:

- a calculator
- own familiar support resources.

Assessors must:

- satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards, and
- have sound knowledge of the ACSF and performance features of the ACSF level being assessed, and
- have demonstrable expertise, knowledge and skills in the vocational contextualisation and assessment of the core skill, numeracy, and
- have completed the following or equivalent:
 - TAESS00009 Address Foundation Skills in Vocational Practice Skill Set; or
 - a higher level education qualification, such as:
 - TAE80113 Graduate Diploma of Adult Language, Literacy and Numeracy Practice (and its equivalent TAE70111); or
 - Bachelor of Education, Graduate Certificate or Graduate Diploma of Education, or higher. This may include qualifications relating to TESOL, adult education or vocational education.
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Links

Companion Volume Implementation Guide is found on VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=f572fe10-a855-4986-9295-3852c771f178>