# Knowledge Assessment

## Criteria

### Unit code, name and release number

MSFFM3011 - Measure and draw site layout for manufactured furniture products (1)

### Qualification/Course code, name and release number

MSF31113 - Certificate III in Cabinet Making (6)

## Student details

### Student number

### Student name

## Assessment Declaration

* This assessment is my original work and no part of it has been copied from any other source except where due acknowledgement is made.
* No part of this assessment has been written for me by any other person except where such collaboration has been authorised by the assessor concerned.
* I understand that plagiarism is the presentation of the work, idea or creation of another person as though it is your own. Plagiarism occurs when the origin of the material used is not appropriately cited. No part of this assessment is plagiarised.

### Student signature and Date

Version: *1.0*

Date created: *6 July 2018*

Date modified: *18/12/2019*

For queries, please contact:

*Innovative Manufacturing, Robotics and Science SkillsPoint*

*TAFE NSW*

*98 Parry Street*

*Newcastle West*

*NSW 2302*

© 2019 TAFE NSW, Sydney  
RTO Provider Number 90003 | CRICOS Provider Code: 00591E

This assessment can be found in the: [Learning Bank](https://share.tafensw.edu.au/share/access/searching.do?doc=%3Cxml%2F%3E&in=P7ac4831b-430a-4b8d-8b56-f7b32ed5b9cf&q=&type=standard&sort=rank&dr=AFTER)

The contents in this document is copyright © TAFE NSW 2019, and should not be reproduced without the permission of the TAFE NSW. Information contained in this document is correct at time of printing: 18 December 2019. For current information please refer to our website or your teacher as appropriate.

## Assessment instructions

Table 1 Assessment instructions

| Assessment details | Instructions |
| --- | --- |
| **Assessment overview** | The objective of this assessment is to assess your knowledge as would be required to measure and record site layout details to provide an accurate basis for both manufacture and installation of furniture products. |
| **Assessment Event number** | 1 of 2 |
| **Instructions for this assessment** | This is a written assessment and it will be assessing you on your knowledge of the unit.  This assessment is in 4 parts:   1. Multiple Choice questions 2. True or False questions 3. Short answer questions 4. Assessment Feedback |
| **Submission instructions** | On completion of this assessment, you are required to upload it or hand it to your trainer for marking.  It is important that you keep a copy of all electronic and hardcopy assessments submitted to TAFE and complete the assessment declaration when submitting the assessment. |
| **What do I need to do to achieve a satisfactory result?** | To achieve a satisfactory result for this assessment all questions must be answered correctly. |
| **What do I need to provide?** | Calculator, pens, pencils, eraser, USB for file download and saving |
| **Due date/time allowed** | TBA/60 minutes |
| **Assessment feedback, review or appeals** | In accordance with the TAFE NSW policy *Manage Assessment Appeals,* all students have the right to appeal an assessment decision in relation to how the assessment was conducted and the outcome of the assessment. Appeals must be lodged within **14 working days** of the formal notification of the result of the assessment.  If you would like to request a review of your results or if you have any concerns about your results, contact your Teacher or Head Teacher. If they are unavailable, contact the Student Administration Officer.  Contact your Head Teacher for the assessment appeals procedures at your college/campus. |

## Part 1: Multiple choice

Read the question and each answer carefully. Put an X in the table next to your chosen answers.

There may be more than one correct response for each question.

1. What tool is best used to obtain correct measurements on a large area?

Table 2 Multiple choice

| Answer choices | Put X next to your answer |
| --- | --- |
| 1. Steel Tape measure |  |
| 1. For fold rule |  |
| 1. Laser level |  |
| 1. Laser measuring device |  |

1. Which would be the preferred measuring device to measure the floor space of a large empty factory?

Table 3 Multiple choice

| Answer choices | Put X next to your answer |
| --- | --- |
| 1. One metre steel rule |  |
| 1. Angle Finder |  |
| 1. Laser Measuring Device |  |
| 1. Digital Services Detector |  |

1. What document would you use to confirm all measurements were taken?

Table 4 Multiple choice

| Answer choices | Put X next to your answer |
| --- | --- |
| 1. Site evaluation form |  |
| 1. Product Data Sheet |  |
| 1. Check List Sheet |  |
| 1. Client Brief |  |

1. What is a way to check that a corner is a 90°right angled?

Table 5 Multiple choice

| Answer choices | Put X next to your answer |
| --- | --- |
| 1. Measure with multiples of 2,3,4, |  |
| 1. Measure with multiples of 3,4,5 |  |
| 1. Measure with multiples of 4,5,6 |  |
| 1. Measure with multiples of 1,2,3 |  |

1. To fabricate furnishings why do the fabrication team at three height levels to get the length of a wall? (there is more than 1 correct responses)

Table 6 Multiple choice

| Answer choices | Put X next to your answer |
| --- | --- |
| 1. To see if it is straight |  |
| 1. To help get an indication of the plumb of the returning wall |  |
| 1. To help get an indication of if the wall leans out on the open end |  |
| 1. To see how many bumps are in the wall |  |

1. How does following the requirements of a Quality Assurance system improve the flow of a project? (there is more than 1 correct response)

Table 7 Multiple choice

| Answer choices | Put X next to your answer |
| --- | --- |
| 1. Provides a clear vision or idea of what quality is required |  |
| 1. Clients are happy with a quality product |  |
| 1. Reduces time lines |  |
| 1. Meets Standards which allows council sign off of project quicker |  |

1. Who can confirm the intended use of the site prior to check measure?

Table 8 Multiple choice

| Answer choices | Put X next to your answer |
| --- | --- |
| 1. Site Foreman, Designer/Architect, Client |  |
| 1. Trades on Site |  |
| 1. Design Showroom Attendant |  |
| 1. Council |  |

1. What drawing would be created prior to preparing a site plan?

Table 9 Multiple choice

| Answer choices | Put X next to your answer |
| --- | --- |
| 1. 3D Image |  |
| 1. Elevation |  |
| 1. Mud Map |  |
| 1. Orthographic Drawing |  |

1. How can the installation team fit furnishings to walls that have bumps & hollows in them?

Table 10 Multiple choice

| Answer choices | Put X next to your answer |
| --- | --- |
| 1. Fill gaps with “No More Gaps” |  |
| 1. Pack it out and leave the gap |  |
| 1. Use a Filler Panel and scribe it to the irregularities |  |
| 1. Remove the wall linings straighten and square then reline |  |

1. Prior to drawing on a CAD program, what type of drawing would be quickly drawn to determine the client’s requirements?

Table 11 Multiple choice

| Answer choices | Put X next to your answer |
| --- | --- |
| 1. Freehand sketch |  |
| 1. Orthographic |  |
| 1. 3D Image |  |
| 1. Blue Print |  |

1. In the space provided in the table below describe the symbols that you would see on architectural drawings.

Table 12 Multiple choice

| Answer choices | Description of the Symbol |
| --- | --- |
| **[Image result for north point symbol](https://www.google.com/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&ved=2ahUKEwjukqOFnPLiAhUbT30KHastApkQjRx6BAgBEAU&url=https://www.pinterest.com/hans8820/north-point/&psig=AOvVaw1wdJ7EA73w-rdAj_6GrlZA&ust=1560919346158654)**  © TAFE NSW 2019 |  |
| **[Image result for dimension lines](https://www.google.com/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&ved=2ahUKEwi58Lu-o_LiAhWYWX0KHcYqBA4QjRx6BAgBEAU&url=https://commons.wikimedia.org/wiki/File:Dimension_Lines.png&psig=AOvVaw3EzyAoRPa-Eao_gzE-wEvY&ust=1560921359679654)**  © TAFE NSW 2019 |  |
| **[Related image](http://www.google.com/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&ved=2ahUKEwjQ0-mut_LiAhVJf30KHSmfCVYQjRx6BAgBEAU&url=http://www.clker.com/clipart-28489.html&psig=AOvVaw2An3ZGYDmqVT-BdNY1XJNt&ust=1560926714441556)**  © TAFE NSW 2019 |  |
| **C:\Users\TLITTLE6.000\Pictures\Tafe pics\symbol_door_swing_single[1].gif**  © TAFE NSW 2019 |  |
| **C:\Users\TLITTLE6.000\Pictures\Tafe pics\symbol_window_in_cavity_wall[1].gif**  © TAFE NSW 2019 |  |
| **C:\Users\TLITTLE6.000\Pictures\Tafe pics\symbol_wall_cavity_brick[1].gif**  © TAFE NSW 2019 |  |

## Part 2: True or false

Read the questions, then write **True** or **False** in the space provided.

Table 13 True or false

| Question | Write *True* or *False* |
| --- | --- |
| 1. Manual Measuring Devices are better suited for large areas. |  |
| 1. A client brief can help clarify the intended use of the site. |  |
| 1. On a scale drawing a bench top measures 270mm long and 60mm wide. At a scale of 1:10. Is it 2.7 meters x 600 millimetres? |  |
| 1. The fabrication team will produce a template for measuring an irregular shaped wall. |  |
| 1. A wall that is out of plumb will need to be allowed for by the designer so the fabrication team can fabricate furnishings to allow for the installation team to fit furnishings to a wall that leans in or out. |  |
| 1. Only some Company and Australian standards must be adhered to. |  |
| 1. A client Brief won’t have the details of the Job Site. |  |
| 1. CAD stands for “Computer Aided Drawing” |  |
| 1. A mud map will reduce missing a site measurement. |  |
| 1. An elevation view is one where you are looking at the front view. |  |
| 1. Wall cabinets can be fixed by using hollow wall anchors if studs are not available. |  |
| 1. Plastic legs on a floor cabinet only need to be fixed to the bottom if the ends of a cabinet go past the bottom |  |

## Part 3: Short answer

Read the question carefully. Your answer should be a minimum of 10 words but no longer than 70 words. Unless stated below the question.

1. Explain why Standards and Tolerances need to be recognised and adhered to.
2. What are the reasons for providing an elevation view on a drawing?
3. Explain how you would communicate ideas and information to a client to establish what a client is looking for in their project.
4. List three average heights across a wall that should be measured to give an accurate width for the wall.

1.

2.

3.

1. Where are symbols explained on a drawing?
2. Using a tape or laser measure, how can you check if the walls and floor of a rectangle room are square?
3. At what point should the Bench height be set in a Kitchen?
4. What should happen prior to fabrication of the furnishings after new services, walls and floors have been installed.
5. Match the Terms with the Definition in the pace in the table.

Filler Stud Plumb Base Unit Custom Built

Brief Built-in Bulkhead Fabricate Design

Modular Specification Skirtings Cutaway/Chase Level Line

Table 14 – Terms and conditions

|  |  |
| --- | --- |
| Terms | Definition |
|  | A cabinet module positioned on the floor and fixed to the wall. |
|  | A thorough instruction what is required EG. Problems to be solved, restraints, priorities. |
|  | A cut out in a furnishing to allow for plumbing, electrical or data. |
|  | A permanent fixture |
|  | Vertical member in a wall frame. |
|  | Made specifically to customers order or needs |
|  | Encloses the space between the ceiling and wall cabinets |
|  | Layout is about the planning, problem solving and preliminary sketches for picture, building, furniture, machine etc. An established form of product. |
|  | To construct or manufacture a product to its final shape or form in metal timber etc. |
|  | A general description of what is required to carry out a job such as types of materials, hardware etc. |
|  | A narrow strip of timber for irregular gaps |
|  | Interior trim between the walls and the floor |
|  | Parallel with the surface of still water |
|  | A number of small units which fit together. |
|  | A vertical line that is right angles to a horizontal line. |

1. Describe the criteria to design a Furnishing product.
2. Describe the drawing process to create a Furnishing product drawing.
3. What would be the gap each side of the cabinets if there was a freestanding wall 7.6 meters long and the 8 cabinets are 735mm long.
4. Calculate the average cost for four (4) kitchens using the total amount of materials in the table.

Table 15 – Calculate costs

|  |  |  |  |
| --- | --- | --- | --- |
| Total Material by 4 Kitchens | Cost Each | Total Cost | Average Cost Per Kitchen |
| 35 Sheets of White carcass material | $50.66 |  |  |
| 9 sheets of stone bench top material | $1200.00 |  |  |
| 186 Cabinet hinges and base plates | $8.23 |  |  |
| 48 Drawer Runners | $15.00 |  |  |
| 14 Sheets of coloured Melamine board for doors | $97.56 |  |  |
|  |  | Total per Kitchen |  |

## Part 4: Assessment Feedback

*NOTE: This section* ***must*** *have the assessor signature and student signature to complete the feedback.*

### Assessment outcome

Satisfactory

Unsatisfactory

### Assessor Feedback

Was the assessment event successfully completed?

If no, was the resubmission/re-assessment successfully completed?

Was reasonable adjustment in place for this assessment event?  
*If yes, ensure it is detailed on the assessment document.*

Comments:

### Assessor name, signature and date:

### Student acknowledgement of assessment outcome

Would you like to make any comments about this assessment?

### Student name, signature and date

***NOTE: Make sure you have written your name at the bottom of each page of your submission before attaching the cover sheet and submitting to your assessor for marking.***