

## **GENERAL EDUCATION AND TRAINING CERTIFICATE**

## **NQF LEVEL 1**

## **AET LEVEL 4 SITE-BASED ASSESSMENT**

|  |  |  |
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| **LEARNING AREA** | **:** | **MATHEMATICS AND MATHEMATICAL SCIENCES** |
| **CODE** | **:** | **MMSC4** |
| **TOOL** | **:** | **WORKSHEET** |
| **DURATION** | **:** | **2 HOURS** |
| **MARKS** | **:** | **50** |

**This assessment tools consists of 4 pages.**

|  |  |  |
| --- | --- | --- |
| **ACTIVITY 1** |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 1.1 | 1.1.1 |  | Correct points | (3) |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 1.1.2 |  | Correct points | (3) |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 1.1.3 |  | Correct points | (3) |
| 1.2 | 1.2.1 | Translation 1 unit to the right🗸🗸 | Correct name  Correct explanation | (2) |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 1.2.2 | Reflection along the axis🗸🗸 | Correct name  Correct explanation | (2) |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 1.3 | 1.3.1 | 🗸🗸🗸 | Each correct vertex | (3) |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 1.3.2 | 🗸🗸🗸 | Each correct vertex | (3)  **[19]** |

|  |  |  |
| --- | --- | --- |
| **ACTIVITY 2** |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 2.1 | 2.1.1 | 🗸🗸 | Correct HCF  correct bracket | (2) |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 2.1.2 | 🗸🗸 | Correct HCF  Correct brackets | (2) |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 2.1.3 | 🗸🗸 | Each correct brackets | (2) |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 2.2 | 2.2.1 | 🗸🗸 | Each correct brackets | (2) |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 2.2.2 | 🗸  🗸🗸 | Correct HCF  Correct Difference of squares | (3) |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 2.3 | 2.3.1 | factors of 18:  🗸  🗸 | Each correct factors | (3) |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 2.3.2 | 🗸 | Correct addition | (1) |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 2.3.3 | 🗸 | Each correct brackets | (1) |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 2.4 | 2.4 | 🗸🗸 | Each correct brackets | (2) |

|  |  |  |  |
| --- | --- | --- | --- |
| 2.5 | 🗸  🗸  🗸 | correct grouping  correct HCF  correct answer | (3) |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 2.6 | 2.6.1 | 🗸  🗸 | Correct like terms  Correct answer | (2) |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 2.6.2 | 🗸  🗸 | Correct like terms  Correct answer | (2) |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 2.6.3 | 🗸  🗸🗸 | Correct simplification  Correct answer | (3) |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 2.6.4 | )  🗸  🗸🗸 | Correct simplification  Correct answer | (3)  **[31]** |

|  |  |  |
| --- | --- | --- |
| **TOTAL:** |  | **50** |