

MATHEMATICS

# 2014

# SCHOOL BASED ASSESSMENT TASK

# MARKS: 50

# WEIGHTED MARK: 10

# SUGGESTED TIME: 1 hour

# TERM 1: Investigation

**INVESTIGATION**

**GRADE 9**

# Marking Guidelines

**TERM 3**

**D9 JE**

**MARKS: 50**

**This question paper consists of 10 pages**

|  |
| --- |
| **MATHEMATICS** |

|  |
| --- |
| **INSTRUCTIONS AND INFORMATION**  **1. Give full marks for answers only, unless stated otherwise.**  **2. Accept any alternate correct solutions that are not included in the marking guideline.**  **3. Underline errors committed by learners and apply Consistent Accuracy (CA).**    **This Marking Guideline consist of 8 Pages.** |

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| QUESTION 1 | | | | | | | | | | | |
| 1.1 | C | | |  |  | | | | |  | (1) |
| 1.2 | B | | |  |  | | | | |  | (1) |
| 1.3 | B | | |  |  | | | | |  | (1) |
| 1.4 | D | | |  |  | | | | |  | (1) |
| 1.5 | D | | |  |  | | | | |  | (1) |
|  | | | | | | | | | | | **[5]** |
| QUESTION 2 | | | | | | | | | | | |
| **a.** | 2 |  | | | |  | | | |  | (5) |
| **b.** | 12 |  | | | |  | | | |  |  |
| **c.** | 9 |  | | | |  | | | |  |  |
| **d.** | 3 |  | | | |  | | | |  |  |
| **e.** |  |  | | | |  | | | |  |  |
|  |  | | | | | | | | |  | **[5]** |
| QUESTION 3 | | | | | | | | | | | |
|  | 3.1.1 | For | | | | | | | |  | (2) |
|  | 3.1.2 |  | | | | | | | |  | (1) |
|  | 3.1.3 |  | | | | | | | |  | (1) |
|  | 3.1.4. and 3.1.5. |  | | | | | | | |  | (5) |
|  | 3.1.6. | Read off from the drawn graphs | | | | | | | |  | (2) |
|  | | | | | | | | | | | **[11]** |
| QUESTION 4 | | | | | | | | | | | |
| 4.1 |  | | | | | | | | |  | (3) |
| **4.1.1.** | Translate 2 units to the left, and 4 units up. | | | | | | |  | |  |  |
| **4.1.2.** | (8;3) | | | | | | |  | |  |  |
| **4.1.3.** | (-6; -1) | | | | | | |  | |  |  |
|  | 4.2.1. |  | | | | | | | |  | (3) |
|  | 4.2.2. | Write the rule that you used to reflect the object in **QUESTION 4.2.1** in the form: | | | | | | | |  | (2) |
|  |  | | | | | | | | |  | **[8]** |
| QUESTION 5 | | | | | | | | | | |  |
| 5.1. |  | | | | | | | |  | | (9) |
| 5.2. |  | | | | | | | |  | | (4) |
|  |  | | | | | | | | | | **[13]** |
|  | QUESTION 6 | | | | | | | | | |  |
| 6.1. | C and iv | |  | | | |  | | | |  |
| 6.2. | D and iii | |  | | | |  | | | |  |
| 6.3. | B and i | |  | | | |  | | | |  |
| 6.4. | A and ii | |  | | | |  | | | |  |
|  |  | | | | | | | | | | **[8]** |

|  |  |
| --- | --- |
| **Total** | **50 Marks** |

**ANNEXURE 1**

**SURNAME & NAME…………………………………………………….. Grade 9: …**

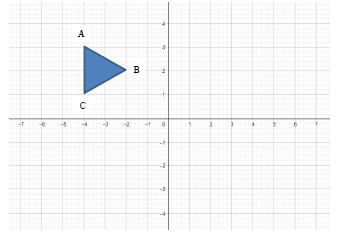
**QUESTION 3.1.4. and 3.1.5.**



**ANNEXURE 2**

**SURNAME & NAME…………………………………………………….. Grade 9: …**

**QUESTION 4.2.1.**



**QUESTION 6**

|  |  |  |  |
| --- | --- | --- | --- |
| Column A | Column B | Column C | Answer |
| 6.1. Equilateral Triangle | (a) 3 sides, with one angle equal to | (i) | ……………. |
| 6.2. Isosceles Triangle | (b). All three sides are different in size. | (ii) | …………… |
| 6.3. Scalene Triangle | (c). A triangle where all three angles are equal to 6 | (iii) | ………. |
| 6.4. Right Angled Triangle | (d).A triangle where the two baes angles are equal | (iv) | ………….. |