

## GAUTENG DEPARTMENT OF EDUCATION

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| **LEARNER’S NAME & SURNAME** | **:** |  |
| **SUBJECT** | **:** | **MATHEMATICS** |
| **GRADE** | **:** | **7** |
| **TASK** | **:** | **TEST 1** |
| **TIME** | **:** | **2 HOURS** |
| **MARKS** | **:** | **50** |

**This assessment task consists of 5 pages**

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| INSTRUCTIONS |  |  |

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| --- | --- | --- | --- |
| 1. | This Question Paper consists of 6 questions and 8 pages. Answer ALL Questions. |  |  |

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| |  |  | | --- | --- | | 2. | Read through the questions carefully and make sure that you allocate enough time for each question. | |  |  |  |

3. Calculators are not allowed.

4. Show all calculations

5. It is at your best interest to write neatly and legibly

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**QUESTION 1: MULTIPLE CHOICE QUESTIONS**

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| 1. | **Choose the correct answer by circling the appropriate letter** |  |
| 1.1 | A right angle is………   1. An angle greater than but less than 2. An angle measuring less than 3. An angle measuring | 2 |
| 1.2 | An Isosceles triangle has…….   1. All the sides of the same length 2. Two sides of the same length 3. All sides of different length | 2 |
| 1.3 | Lines that are always the same distance apart are called…   1. Parallel lines 2. Perpendicular lines 3. Radius | 2 |
| 1.4 | Half of a circle is called…   1. Sector of a circle 2. Segment of a circle 3. Semicircle | 2 |
| 1.5 | All the angles of an equilateral are… | 2 |

**[10]**

**QUESTION 2: Construction**

|  |  |  |
| --- | --- | --- |
| 2. | Use the figure below to complete the following statements  600  Q  X  R  Y  Z  P |  |
| 2.2 | measures\_\_\_\_\_\_\_\_. It is a \_\_\_\_\_\_\_\_ angle. | 2 |
| 2.3 | measures \_\_\_\_\_\_\_\_. It is an \_\_\_\_\_\_\_\_ angle. | 2 |
| 2.4 | measures \_\_\_\_\_\_\_\_. It is an \_\_\_\_\_\_\_\_ angle. | 2 |
| 2.5 | measures or \_\_\_\_\_. It is a \_\_\_\_\_\_\_\_\_ | 2 |

**[08]**

**QUESTION 3 Geometry of 2D shapes**

|  |  |  |
| --- | --- | --- |
| 3. | Classify the triangles below as right –angled, Isosceles or Equilateral. Give reasons for each of your answer. |  |
| 3.1 | A  B  C | 2 |
| 3.2 | D  E  F | 2 |
| 3.3 | G  H  I | 2 |

**[06]**

**QUESTION 4: Geometry of 2D shapes**

|  |  |  |
| --- | --- | --- |
| 4. | Determine the missing angles and sides in the figure below:  A  B  C  O  1  2 |  |
| 4.1 |  | 2 |
| 4.2 |  | 2 |
| 4.3 |  | 2 |
| 4.4 |  | 2 |
| 4.5 |  | 2 |

**[10]**

**QUESTION 5: Geometry of 2D shapes**

|  |  |  |
| --- | --- | --- |
| 5. | The two polygons below are similar.  X  Z  Y  A  C  B  Find the sizes of the following: |  |
| 5.1 |  | 2 |
| 5.2 |  | 2 |
| 5.3 |  | 2 |
| 5.4 |  | 2 |

**[08]**

**QUESTION 6: Geometry of straight lines**

6. Match column A with column B.

|  |  |  |
| --- | --- | --- |
| Column A | Column B |  |
| 6.1 | Ray | 2 |
| 6.2 | Straight line | 2 |
| 6.3 | Parallel lines | 2 |
| 6.4 | Line segment | 2 |