**KENYA CERTIFICATE OF BASIC EDUCATION**

**SENIOR SCHOOL ASSESSMENT**

**AUGUST ASSIGNMENT 2026**

**GRADE 10 – ESSENTIAL MATHEMATICS 006 JUNE**

**Time:** 2 Hours

**LEARNER'S DETAILS**

**Name:** _____. **School:** _____.

**Assessment Number:** _____. **Date:** _____.

**School Code:** _____. **Signature:** _____.

**INSTRUCTIONS TO CANDIDATES**

1. Write your full name in the space provided above.
2. Indicate your school, stream, admission number, and date clearly.
3. This paper has **TWO sections: A and B**.
4. Attempt **ALL questions** in both sections.
5. Show all working clearly where necessary.
6. Write all answers in the spaces provided.
7. Do NOT remove any page from this paper.

**FOR OFFICIAL USE ONLY**

| SECTION | SECTION A | SECTION B | % SCORE | EE1 | EE2 | ME1 | ME2 | AE1 | AE2 | BE1 | BE2 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SCORE RANGE | 30 MARKS | 50 MARKS | | 90-100 | 75-89 | 58-74 | 41-57 | 31-40 | 21-30 | 11-20 | 1-10 |
| POINTS | | | | 8 POINTS | 7 POINTS | 6 POINTS | 5 POINTS | 4 POINTS | 3 POINTS | 2 POINTS | 1 POINT |
| LEARNER'S TOTAL SCORE | | | | | | | | | | | |

**SECTION A (30 MARKS)**

**Answer ALL questions in this section.**

**1.** A teacher gives learners different numbers to classify while studying number systems in a digital coding lesson.

Classify the following numbers as **rational or irrational**:

$$2, \sqrt{2}, \frac{5}{8}, 0.333\ldots, 2.85$$