

**GATITU SECONDARY SCHOOL, P.O. BOX 327 – 01030, GATUNDU.**  
**FORM 3 MATHEMATICS TUNE UP EXAMINATION. TERM 1 2015.**

1. Make P the subject of the formula.

(3mks)

$$s = \sqrt{\frac{m}{2t} (n^2 - p^2)}$$

2. Given that  $4x^2 - 3^2x - 2tk$  is a perfect square. Find k

(3mks)

3. Use matrix method to solve the simultaneous equation.

(4mks)

$$3p - 4q = 2$$

$$5p + 3q = 13$$

4. Without using Mathematical tables or calculators express in surd form and simplify. (3mks)

5. Truncate to 2 significant figures and calculate the percentage error.  
a) 8.572 (3mks)

b) 2.718 (2mks)

6. Solve the triangle PQR. (4mks)



