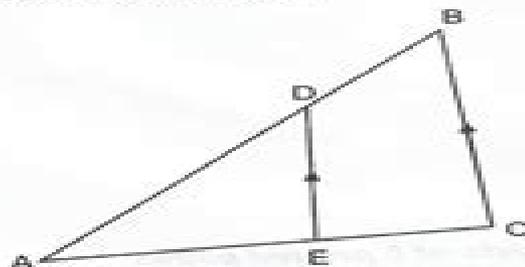


**SECTION: A: ( 60marks )**

Answer all the questions in this section and showing all your work clearly

1. (a) Change repeating decimal  $0.5\overline{16}$  into fraction (03marks)  
 (b) Evaluate  $51 + 3 + 20\%$  of  $(43 + 7) \times 3 - 7$  (03marks)
2. (a) Simplify  $3\sqrt{50} + 5\sqrt{32} + 4\sqrt{8}$  (03marks)  
 (b) Simplify  $\frac{3a^2y^4}{12x^4} + \frac{9ay^2}{3x^4y}$  (03marks)
3. (a) 64% of students in form four are boys, the class has 90 girls. How many boys are in form four? (03marks)  
 (b) Write 0.0654348 to  
 (i) Standard notation  
 (ii) Correct to four decimal places  
 (iii) To four significant figures (03marks)
4. (a) Given that  $\underline{a} = 6\underline{j} - 2\underline{j}$ ,  $\underline{b} = 2\underline{l} + \underline{j}$  and  $\underline{c} = 3\underline{j} - 5\underline{l}$ .  
 Find (i)  $|2\underline{a} + \underline{b} - 3\underline{c}|$   
 (ii) Scalar  $t$  and  $k$  if  $t\underline{a} + k\underline{b} = 4\underline{l} - 3\underline{j}$  (03marks)  
 (b) What value of  $n$  which make a line passing through the point  $A(-5, n)$  and  $B(1, 2)$  also perpendicular to the equation  $x = 2y + 3$  (03marks)
5. (a) A translation  $T$  takes point  $A( 5, -1)$  on to  $A'( 3, 12)$   
 Find the image of a point  $B(-8, -10)$  Under the same translation (03marks)  
 (b) In a class of 35 students each student take either one or two subject (English, Kiswahili, French) If 13 students take English, 22 students take Kiswahili, 17 students take French, 6 students take both Kiswahili and English, 3 student take both French and English. Find the number of students who take both French and Kiswahili. (03marks)
6. (a) With reference to figure below, calculate the length  $\overline{CE}$ , where  $BC = 8\text{cm}$ ,  
 $\overline{DE} = 6\text{cm}$  and  $AE = 9\text{cm}$



(3marks)

# Past Paper Mathematics Form Four Tanzania

**Shasha Hu**



**Past Paper Mathematics Form Four Tanzania:**

## Reviewing **Past Paper Mathematics Form Four Tanzania**: Unlocking the Spellbinding Force of Linguistics

In a fast-paced world fueled by information and interconnectivity, the spellbinding force of linguistics has acquired newfound prominence. Its capacity to evoke emotions, stimulate contemplation, and stimulate metamorphosis is actually astonishing. Within the pages of "**Past Paper Mathematics Form Four Tanzania**," an enthralling opus penned by a highly acclaimed wordsmith, readers attempt an immersive expedition to unravel the intricate significance of language and its indelible imprint on our lives. Throughout this assessment, we shall delve in to the book is central motifs, appraise its distinctive narrative style, and gauge its overarching influence on the minds of its readers.

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