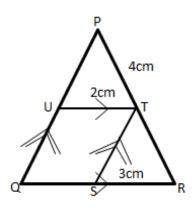
TRINITY HOME COLLEGE SABO OJOO, IBADAN

COWBELL COMPETITION SELECTION EXAMINATION JUNIOR CATEGORY

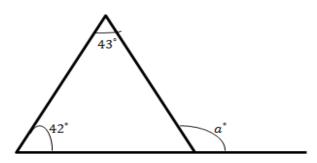
TIME: 1 HOUR

100 MARKS

- 1. Factorize $6pq^6 12pq^4$
 - (b) The mean age of five students whose ages are 8, x, 13,12,10, is 10. Find the value of xin years.
- 2. Find the amount of N600.00 in 4 years at 5% per annum
 - (b) 12.5% of a number is 50, find the number.
- 3. In the diagram below, find /TR/



4. Find the value of a in the diagram below



- (b) Find the interest on N30,000, 2 years at 40% per annum compound interest.
- 5. What is the probability of selecting consonant from the word VICE PRINCIPAL?
- 6. Represent $x \ge -3$ on the number line.
 - (b) Represent x < 8 on the number line

 - (c) The angles of a Hexagon are x° , $(x+20)^{\circ}$, $(x-15)^{\circ}$, $2x^{\circ}$, $(\frac{3x}{2}+20)^{\circ}$, find x (d) The exterior angles of a quadrilateral y° , $(2y+5)^{\circ}$, $(y+15)^{\circ}$, and $(3y-10)^{\circ}$, find y.
- 7. Three angles of a Nonagon are equal, and the sum of the other six angles is 960°. Calculate the size of the equal angles.

 - (b) Solve $\frac{1}{x-3} \frac{2}{x-4} = 0$ (c) If equations 3x 2y = 12 and 2x + y = 1 are solved simultaneously, find the value of
 - (d) When 4 is divided by (x-7), the result is the same as when 3 is divided by (x+4), find x.