

## Writing Algebraic Expression, Equations from CSEC EXAM QUESTIONS

Instructions: Write the simplest answer in the box

1. When a number  $x$  is multiplied by 2 the result is squared to give a new number  $y$ . Express in terms of  $x$  and  $y$

2. A string of length 14 cm is cut into two pieces. The length of the first piece is  $x$  cm. The second piece is 5 cm longer than half the length of the first piece. State in terms of  $x$ , the length of the second piece of string.

3. Adam, Imran and Shakeel were playing a card game.  
Adam scored  $x$  points  
Imran scored 3 points fewer than Adam  
Shakeel scored twice as many points as Imran  
Together they scored 39 points.  
(i) Write down in terms of  $x$  an expression for the number of points scored by Shakeel

4. Write the following as a algebraic Expression: The sum of a number  $S$  and its multiplicative inverse is five times the number

5. 500 Tickets were sold for a concert. Of these  $x$  tickets were sold at \$6 each and the remainder at \$10 each. *Write an expression, in terms of  $x$ , for the number of tickets sold at \$10 each.*