

Name: _____ Section: _____ [1-AY2013-2014]

Print this page and submit with your answers. Answers may be hand-written on the print-out.

Convert the following English conditions to their equivalent C expressions. Terms in bold are the identifiers to be used.

Problem	Answer	Remarks
1. x is not more than the difference of y and z		
2. either y is an odd number or it is greater than 100		
3. age is not in the range of 18 to 60		
4. year is divisible by 4 but not by 400		
5. commission is not greater than thirty-percent of the salary and is greater than 500		
6. x is a non-negative number and is not equal to 65		
7. x is neither less than twice the value of y nor is y 5 more than the value of z		
8. the difference of X from the cube of Y is not less than the remainder of the square of Y divided by Z		

Convert the following English statement to their equivalent C statement. Note that each item should correspond to 1 C statement only. Terms in bold are the identifiers to be used.

1. tax is computed as 12 percent of income earned.		
2. salary now is computed by increasing the previous salary by 15 percent.		
3. ANSWER is the result of getting the quotient of the cube of X added with the difference of Y from Z and the remainder of X divided by Z .		

Convert the following formula to their equivalent C expressions. Those in italics or in bold are identifiers to be used. Do not use excess parenthesis.

a. $\frac{n}{2} (2a + (n - 1) d)$		
b. $10 - \frac{x+1}{y+1}$		
c. $x^2 + 6xy + 8$		
d. $\frac{A \times B - C}{5 + B^2} - B \times \frac{8}{C}$ -C x A		