

## SET 2

### (Expression Handling)

1. Write a program to find the mean and Standard Deviation of 5 integers
2. Write a program to find the simple interest. (SI= PTR/100)
3. Write a program to find the distance between the two points in Cartesian coordinate system.
4. Write a program to find the area of triangle when three sides are given. (Hint: use heron's equation  $A = \sqrt{S(S-a)(S-b)(S-c)}$  And  $S=(a+b+c)/2$  , S=Semi -Perimeter)
5. Write a program to find the area of triangle when three points are given.
6. Write a program to solve this equation

$$\frac{(a+b)^{\frac{1}{(x+y)}}}{(x+y)}$$

7. Write a program to solve this equation

$$\frac{(\sqrt{(m+n+p)})^{(x+y)}}{\left(\frac{(a+b+c)}{(m+n)}\right)}$$

8. Write a program to solve this equation

$$\left(\frac{b^2}{|c|}\right) + \sqrt{3}A^2 + \sqrt{8B}$$

9. Write a program to solve this equation

$$\frac{(\sin(a) + \cos(b))}{(x+y)^{\frac{1}{5}}}$$

10. Write a program to solve this equation

$$u = \frac{-b + \sqrt{b^2 - 4ac}}{2a}$$

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