<u>Worksheet</u>
Simplification of expressions in Python Creation of expressions- **M-14**

Class -XI

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1. What will be the output of the following   3

a) 12/4

b) 26//2

c)17%3

d)34.6%4

e) 44.0//4

f)44.0/4

2) What will be the output of the following? and why?   2

>>>S="Violet"

>>>S is "Violet

3)What is meant by immutable? Explain with examples   2

4)Identify datatype of   the following .   4

a)3.0

b)3

c) 3+0j

d)3j

e)"3"

f)[3,33,333]

g) '3'

h)(3,13,23)

5) What are data types? What are the buit in data types of python? Explain with Examples 3

6)What will be the output   3

a=3+5/8

b=int(3+5/8)

c=3+float(5/8)

d=3+float(5)/8

e=3+5.0/8

f=int(3+5/8.0)

print(a,b,c,d,e,f)

7) Write the following expressions in python   2

a)$\frac{1}{3}\pi r^2$h

b) $\pi r^2 h$

c)$a^2=b^2+c2$

d)$x = \frac{-b \pm \sqrt{b^2-4ac}}{2a}$

8) What will be the output   1

>>>print("Good"+"Moring"*3)

>>>print("Good"*3+"Morning")

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