The City School

North Nazimabad Boys Campus

# Subject: Mathematics

# Ms Sheema( reinforcement for Summer Vacations)

# Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Class 9/Sec:\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_ Max. Marks [25]

# (Paper 1)

# Q1: B

|  |  |
| --- | --- |
| sin x |  |
| cos x |  |
| tan x |  |

# 

# ABC is an isosceles triangle with AB = BC and AC = 32cm.

# Using as much information from the table as is necessary, calculate

# AB b) the area of triangle ABC. (4)

# 

A 32cm C

Q2: Solve the simultaneous equations x = 2y + 11

4x + 3y = 0 (4)

Q3: a) Given that a = 2 and b = -5, find the value of a. (2)

1. Solve the equation (4)
2. = 12

Q4: a) Solve the inequality 3 – 2x < 5. (2)

1. Solve the equation = 1 + (3)
2. Simplify (3)
3. i) Find the smallest integer k which satisfies 7k ≥ 36 (3)

ii) Find the largest integer n which satisfies 3n – 1 < 26