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 | $\frac{15}{17}$ |
| cos x | $$\frac{8}{17}$$ |
|  tan x | $\frac{15}{8}$ |

#

# 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$b^{2}$. (2)

1. Solve the equation (4)
2. $\frac{5}{c}$ = 12
3. $\left( x-2\right)\left( x-3\right)= 14 $

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

1. Solve the equation $\frac{2p+1}{3}$ = 1 + $\frac{p-3}{2}$ (3)
2. Simplify $\frac{2v-6}{v^{2 }-2v-3}$ (3)
3. i) Find the smallest integer k which satisfies 7k ≥ 36 (3)

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