Fr. Agnel School

Waliv, Vasai (E)

1st Unit Test Exam

Std. : 7th **Sub : Mathematics** **Total Marks : 20**

Q. I A State True or False **(3)**

i) (+8) – (+5) = -3

ii) Adjacent angles have a common vertex, a common arm and separate interiors.

iii) 2 is neither a prime number nor a composite number.

B. Answer the following questions: **(3)**

i) Which are the even prime numbers?

ii) Write two examples of twin prime numbers.

iii) Define: Complementary angles.

C. Choose the correct alternative answer and rewrite the full sentence (2)

i) Angles in a linear pair are _____ angles.

i) complementary ii) supplementary iii) opposite

ii) (-7) x 4= ____

i)-28 ii) 28 iii) 35

Q. II Solve any 3 **(6)**

i) Factorise the following number 342 into primes.

ii) If ∠A and ∠B are supplementary angles and m∠B=(x+20)° then what would be m∠A.

iii) Solve: (-96) ÷ 16

iv) List the prime numbers from 25 to 70

v) Find the measure of the complement of an angle of measure 63°

vi) Solve: a) (-12) x (-8) b) 63 x (-7)

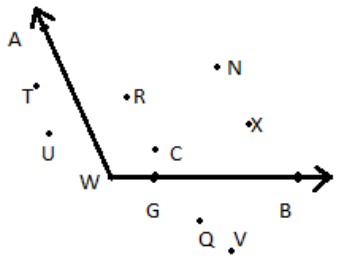
Q III Solve any 2 **(6)**

i) Write three divisions of integers such that the fractional form of each will be $\frac{-8}{3}$

ii) Find the HCF of $\frac{275}{525}$ by the division method and reduce to the simplest form.

iii) Observe the figure and complete the table for ∠AWB

Points in the Interior	
Points in the Exterior	
Points on the arms of the angles	



****