



**MANURAJ**

PUBLIC SCHOOL

**UNIT TEST-1  
MATHS  
GRADE-8<sup>TH</sup>**

NAME: \_\_\_\_\_

DATE: 13-05-2025

**TOTAL MARKS: 20**

**Q1 Click (✓) the correct option:**

**A. Find the value of the given variable**

**1)  $1+4x= 6/7$**

**a)  $1/28$**

**b)  $-1/28$**

**c)  $4/7$**

**2)  $3x-1/8= 9/16$**

**a)  $10/6$**

**b)  $11/6$**

**c)  $9/8$**

**3)  $2x-3= x+2$**

**a) 9**

**b) 5**

**c) 7**

**4)  $5t-3= 3t-5$**

**a) 1**

**b) 2**

**c) -1**

**Q2. Solve the following equations**

a)  $(2x+5)/3 = 3x-10$  \_\_\_\_\_

b)  $7x/2 - 5x/2 = 20x/3 + 10$  \_\_\_\_\_

c)  $X - (x-1)/2 = 1 - (x-2)/3$  \_\_\_\_\_

d)  $7y+2/5 = (6y-5)/11$  \_\_\_\_\_

e)  $3(t-3) = 5(2t+1)$

**Q4. What is the additive inverse of  $(-3/4)$  -----.**

**Q5. What is the multiplicative inverse of  $13/5$  -----.**

**Q6.  $(-1/3)$  lies on the ----- side of  $-2/3$  on the number line.**

**Q7  $(-1/5 \times -1/3) \times (-2/3) = (-1/5) \times (----- \times -2/3)$ .**

**Q8 The product of two rational number is always a-----**

**Q9 Name the property under multiplication used in**

$$-19/29 \times 29/19 = 1$$