

# \* Creative Math Hindi English \*

## preparation of CET

### chapter 1 - linear Equation in two variable

1) If  $15x + 17y = 21$  and  $17x + 15y = 11$  then find  $x + y$

- A) 1                      B) 2                      C) 3                      D) 4

2) For equations in variables  $x$  and  $y$ ,  $D_x = 49$ ,  $D_y = -63$  and  $D = 7$  then find ' $x$ '

- A) 7                      B) -7                      C)  $\frac{1}{7}$                       D)  $-\frac{1}{7}$

3) Find the value of  $\begin{vmatrix} 5 & 3 \\ -7 & -4 \end{vmatrix}$

- A) -1                      B) -41                      C) 41                      D) 1

4) To solve  $x + y = 3$ ;  $3x - 2y - 4 = 0$  by determinant method find  $D$

- A) 5                      B) 1                      C) -5                      D) -1

5) To draw graph of  $4x + 5y = 19$ , find  $y$  when  $x = 1$

- A) 4                      B) 3                      C) 2                      D) -3

6) Two numbers differ by 3. The sum of twice the smaller number and thrice the greater number is 19. Find the greater number

- A) 2                      B) 3                      C) 4                      D) 5

7)  $\begin{vmatrix} 5 & m \\ -7 & 4 \end{vmatrix} = 1$  then find the value of ' $m$ '

- A) 1                      B) 2                      C) 3                      D) 4

8) Which of the following is not linear equation in two variable

A)  $\frac{x}{2} + \frac{y}{5} = 6$

B)  $2x - 3y = 8 - 3y$

C)  $x + 2y = 1$

D)  $3x^2 + y = 9$

9) For equations  $5x+3y+11=0$  and  $2x+4y=-10$   
Find D

A) 14

B) -14

C) 26

D) -26

10) The solution of the equations  $2x-y=2$  is \_\_\_\_\_

A) (2, 2)

B) (5, 2)

C) (2, 5)

D) (5, 5)

11) Solution of the equations  $x-y=10$  and  $x+y=70$  is \_\_\_\_\_

A) (40, 30)

B) (30, 40)

C) (10, 60)

D) (50, 20)

12) Which of the following is not the solution of  
 $3x+6y=12$

A) (-4, 4)

B) (0, 2)

C) (8, -2)

D) (3, 1)