

## Homework

31-07-2025

Q1 Choose the correct option.

1] If  $4m + 3n = 12$  the values of  $m$  and  $n$  are:-

→ Infinitely many solutions.

2] Which is not general form of linear equation.

→  ~~$4m + 12n = 0$~~

3]  $3a + 5b = 26$ ;  $a + 5b = 22$  solve and choose the following solutions for  $a$  and  $b$ .

→  $(-4, -2)$

4] The solution of determinants is 7 choose the correct determinant value.

$$\rightarrow \begin{vmatrix} 3 & 2 \\ 5 & 5 \end{vmatrix}$$

5]  $ax + by = c$  and  $mx + ny = d$  and  $an \neq bm$  then these simultaneous equations have:-

→ Only two solutions

Q2 Solve the following.

$$\begin{aligned} \text{a)} \quad \begin{vmatrix} -2 & 5 \\ -3 & 1 \end{vmatrix} &= (-2 \times 1) - (-3 \times 5) \\ &= -2 + 15 \\ &= 13 \end{aligned}$$