MOCK TEST 2

MATHEMATICS

Grade : X   **Time : 40 mins**

Date : 15 – 7- 24   **Marks : 20**

ANSWER THE FOLLOWING:

1. Solve the following graphically

    4x – 5y -20 = 0

    3x + 5y -15 = 0

Also, find the coordinates of the triangle formed by these two lines and the y – axis.

2. Solve the following:

    2x – y =2

    X + 3y =15

3. Determine the value of k for which the system of equation has infinite solutions

    4x + y =3 and 8x + 2y = 5k

4. Solve the following:

    $\frac{x}{2} - \frac{y}{5} = 4$ and $\frac{x}{7} + \frac{y}{15} = 3$

5. Solve the following:

    12 x + 17y =53 and 17x + 12y = 63.