Class –VIII LINEAR EQUATION-IV

TEST PAPER [TOTAL MARKS-25]

Solve the following:-

1. $[(2x+3)+(x+5)]^2 +[(2x+3)-(x+5)]^2 =10x^2 +92$

2. $\dfrac{17(2-x)-5(x+12)}{1-7x} =8$

3. $\dfrac{(4+x)(5-x)}{(2+x)(7-x)} =1$

4. $\dfrac{y-(7-8y)}{9y-(3+4y)} =\dfrac{2}{3}$

5. $\dfrac{3x+5}{4x+2} =\dfrac{3x+4}{4x+7}$

6. $(\dfrac{x+1}{x+2})^2 =\dfrac{x+2}{x+4}$

7. $\dfrac{x+2}{x+5} =\dfrac{x}{x+6}$

8. $\dfrac{9x-7}{3x+5} =\dfrac{3x-4}{x+6}$

9. $\dfrac{2x-(7-5x)}{9x-(3+4x)} =\dfrac{7}{6}$

10. $\dfrac{x^2 -(x+1)(x+2)}{5x+1} =6$

11. $\dfrac{(2x+3)-(5x-7)}{6x+11} =\dfrac{-8}{3}$

12. $\dfrac{x^2 -9}{5+x^2} =\dfrac{-5}{9}$

13. $\dfrac{y^2 +4}{3y^2 +7} =\dfrac{1}{2}$

14. $\dfrac{1-9y}{19-3y} =\dfrac{5}{8}$