

Class Test on Linear Equation of one variable

Full Marks: 12

1. Choose the correct option:

1x3=3

a) Any term of an equation may be taken to other side with a change in its sign.

This process is called -

- I. Cross multiplication
- II. Transposing
- III. Solution
- IV. None of these

b) If $7x+15 = 50$, then which of the following is the solution of the equation?

- I. -5
- II. $65/7$
- III. 5
- IV. $1/5$

c) Identify the algebraic linear equations from the given expressions.

- I. $x^2 + x = 2$
- II. $3x + 5 = 11$
- III. $5 + 7 = 12$
- IV. $x + y^2 = 3$

2. Solve:

3x3=9

a) $x - \frac{2x+8}{3} = \frac{1}{4} \left(x - \frac{2-x}{6} \right) - 3$

b) $\frac{x+2}{3} - \frac{x+1}{5} = \frac{x-3}{4} - 1$

c) $0.18(5x - 4) = 0.5x + 0.8$
