EduSahara™ Assignment

Name : Linear Equations Concepts

Chapter : Linear Equations

Grade : ICSE Grade VII

1. Which of the following is a linear equation in one variable?

   (i) $(4x+2y+3z+9)=0$ (ii) $(6x+y-8)=0$ (iii) $(6x^2+3x-9)=0$ (iv) $(4x+3)=0$

   (v) $(25x^2+30xy-20x+9y^2-12y-45)=0$

2. Which of the following is a linear equation in two variable?

   (i) $(4x-5)=0$ (ii) $(-10x^2+4xy+22x+6y^2+42y+72)=0$ (iii) $(-8x+9y+7)=0$ (iv) $(9x^2+57x-42)=0$

   (v) $(-9x+2y-4z+1)=0$

3. Which of the following is a linear equation in one variable?

   (i) $(56x^2+84x+28)=(-4x-3)$ (ii) $(5x-6y+3)=(-6x-9y+5)$ (iii) $(16x^2+44xy-36x+28y^2-63y)=0$

   (iv) $(x+2y+2z-2)=(5x-5y+4z+3)$ (v) $(4x-3)=(3x+5)$

4. Which of the following is a linear equation in two variable?

   (i) $(3x+6y+z-2)=(-4x-5y+8z-6)$ (ii) $(-x-2y+1)=(4x-8y+7)$ (iii) $(-63x^2-30x+48)=(7x-8)$

   (iv) $(-8x+9)=(-9x+3)$ (v) $(10x^2+6xy-53x-16y^2-38y+63)=0$

5. The linear equation $8x=(9x-9)$ is equivalent to

   (i) $(-x+9)=0$ (ii) $8x=(9x-12)$ (iii) $9=0$ (iv) $8x=(9x-6)$ (v) $(-2x+9)=0$

6. The value of x in terms of other variables and constant in $(7x-6)=(9x+6)$ is

   (i) $x=(-8)$ (ii) $x=(-6)$ (iii) $x=(-5)$ (iv) $x=(-4)$ (v) $x=(-7)$

7. The L.H.S of the equation $(7x+1)=0$ is

   (i) $(6x+1)$ (ii) $(7x-2)$ (iii) 0 (iv) $(7x+4)$ (v) $(7x+1)$

8. The R.H.S of the equation $(2x+1)=0$ is

   (i) 3 (ii) (-1) (iii) (-2) (iv) 0 (v) $(2x+1)$

9. The L.H.S of the equation $(8x+9)=(-3)$ is

   (i) $(8x+12)$ (ii) $(8x+9)$ (iii) (-3) (iv) $(7x+9)$ (v) $(8x+6)$

10. The R.H.S of the equation $(-4x+4)=(-9)$ is

    (i) $(-4x+4)$ (ii) (-11) (iii) (-10) (iv) (-6) (v) (-9)

11. The L.H.S of the equation $(x+3)=(2x-7)$ is

    (i) x (ii) $(x+6)$ (iii) $(x+3)$ (iv) 3 (v) $(2x-7)$

12. The R.H.S of the equation $(9x-7)=(-x+7)$ is

(i) $(9x-7)$ (ii) $(-x+7)$ (iii) $(-x+5)$ (iv) $(-x+9)$ (v) $(-2x+7)$

Assignment Key

1) (iv)	2) (iii)	3) (v)	4) (ii)	5) (i)	6) (ii)
7) (v)	8) (iv)	9) (ii)	10) (v)	11) (iii)	12) (ii)