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) $(-7x-8y-2z+3)=0$ (ii) $(-12x^2+49xy-49y^2-14y+48)=0$ (iii) $(3x+4y+7)=0$

   (iv) $(-8x^2-20x+72)=0$ (v) $(-5x-2)=0$

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

   (i) $(8x-9y+9z+9)=0$ (ii) $(-7x-7)=0$ (iii) $(-3x-4y+6)=0$

   (iv) $(-5x^2+16xy+22x+45y^2+26y-8)=0$ (v) $(3x^2-3x-6)=0$

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

   (i) $(-64x^2+112x-45)=(6x-5)$ (ii) $(4x+8y-7z-4)=(-6x+4y+4z+4)$

   (iii) $(-x^2+6xy-x+27y^2-3y)=0$ (iv) $(6x-4y+2)=(-3x+8y-6)$ (v) $(6x-1)=(2x-7)$

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

   (i) $(-4x+2)=(9x+9)$ (ii) $(-5x+3y+6z+4)=(3x-3y-7z+9)$

   (iii) $(-6x^2+37xy-12x-45y^2+37y-6)=0$ (iv) $(-9x-4y+5)=(-5x-9y-2)$ (v) $(-21x^2+20x-4)=8x$

5. The linear equation $(6x+4)=(7x-3)$ is equivalent to

   (i) $(-x+7)=0$ (ii) $(-2x+7)=0$ (iii) $7=0$ (iv) $(6x+4)=(7x-5)$ (v) $(6x+4)=7x$

6. The value of x in terms of other variables and constant in $(-7x-8)=(6x+2)$ is

   (i) $x=(-\frac{10}{11})$ (ii) $x=(-\frac{12}{13})$ (iii) $x=(-\frac{2}{3})$ (iv) $x=(-\frac{10}{13})$ (v) $x=(-\frac{8}{13})$

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

   (i) $2x$ (ii) $(-4x)$ (iii) 0 (iv) $(-2x)$ (v) $(-x)$

8. The R.H.S of the equation $(7x-3)=0$ is

   (i) (-1) (ii) $(7x-3)$ (iii) 0 (iv) (-3) (v) 3

9. The L.H.S of the equation $(2x+2)=(-9)$ is

   (i) (-9) (ii) $(2x+2)$ (iii) $(2x-1)$ (iv) $(x+2)$ (v) $(2x+4)$

10. The R.H.S of the equation $(5x+2)=3$ is

    (i) $(5x+2)$ (ii) 3 (iii) 2 (iv) 1 (v) 5

11. The L.H.S of the equation $(-x+2)=(9x-9)$ is

    (i) $(-x)$ (ii) $(-2x+2)$ (iii) $(-x+2)$ (iv) $(-x+4)$ (v) $(9x-9)$

12. The R.H.S of the equation $(3x-1)=(-2x+2)$ is

(i) $(-2x+2)$ (ii) $(-3x+2)$ (iii) $(3x-1)$ (iv) $(-2x+5)$ (v) $(-2x)$

Assignment Key

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