EduSahara™ Learning Center Assignment

Grade : Class VIII, CBSE
Chapter : Linear Equations in One Variable
Name : Linear Equations Concepts
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1. The L.H.S of the equation $(-9x + 6) = 0$ is

   (i) $(-9x + 9)$ (ii) $(-9x + 6)$ (iii) $(-10x + 6)$

   (iv) 0 (v) $(-9x + 3)$

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2. The R.H.S of the equation $(-3x - 1) = 0$ is

   (i) (-1) (ii) (-2) (iii) $(-3x - 1)$

   (iv) 0 (v) 3

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3. The L.H.S of the equation $(-5x + 5) = 9$ is

   (i) $(-5x + 8)$ (ii) $(-6x + 5)$ (iii) 9

   (iv) $(-5x + 5)$ (v) $(-5x + 3)$

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4. The R.H.S of the equation $(9x + 6) = 9$ is

   (i) $(9x + 6)$ (ii) 7 (iii) 8

   (iv) 11 (v) 9

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5. The L.H.S of the equation $(-9x - 3) = (5x - 8)$ is

   (i) $(5x - 8)$ (ii) $(-9x - 6)$ (iii) $(-9x - 3)$

   (iv) $(-9x - 1)$ (v) $(-10x - 3)$

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6. The R.H.S of the equation $(-8x + 2) = (-7x + 3)$ is

(i) $(-8x+3)$ (ii) $(-8x+2)$ (iii) $(-7x+5)$

(iv) $(-7x+1)$ (v) $(-7x+3)$

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7. The additive inverse of the expression $(6x+3)$ is

(i) $(-6x-3)$ (ii) $(-7x-3)$ (iii) $(-6x)$

(iv) $(6x+3)$ (v) $(-6x-5)$

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8. The additive inverse of the expression (-3) is

(i) 3 (ii) (-3) (iii) 1

(iv) 2 (v) 5

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9. The additive inverse of the expression $(5x-4)$ is

(i) $(-5x+2)$ (ii) $(5x-4)$ (iii) $(-5x+6)$

(iv) $(-5x+4)$ (v) $(-6x+4)$

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10. The additive inverse of the expression 6 is

(i) (-4) (ii) (-6) (iii) (-7)

(iv) 6 (v) (-8)

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

(i) $(9x-2y-7z-3)=0$

(ii) $(9x^2+40x+16)=0$

(iii) $(-9x+7)=0$

(iv) $(-8x^2+52xy+53x-24y^2-10y+21)=0$

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

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

(i) $(-9x+6)=0$

(ii) $(9x+6y+4z-6)=0$

(iii) $(-4x^2+14xy-13x+8y^2+34y-9)=0$

(iv) $(-3x+5y+5)=0$

(v) $(14x^2+81x+81)=0$

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

(i) $(-72x^2-46xy+29x+16y^2-38y+21)=0$

(ii) $(-8x-9y+9)=(5x-3y-7)$

(iii) $(4x-4)=(-3x)$

(iv) $(7x^2-61x-18)=8x$

(v) $(-9x+y+5z+6)=(x-2y-8z+3)$

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

(i) $(3x+2y+1)=(x+9y-5)$

(ii) $(45x^2+67x-8)=(8x+6)$

(iii) $(3x+9y+z-5)=(9x-4y+4z+9)$

(iv) $(32x^2+24xy-8x+4y^2-8y-12)=0$

(v) $(3x-9)=(6x-9)$

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15. The linear equation $(6x-2)=(9x-4)$ is equivalent to

(i) $(\ 6x - 2\ ) = (\ 9x - 6\ )$

(ii) $(\ -3x + 2\ ) = 0$

(iii) $(\ 6x - 2\ ) = (\ 9x - 2\ )$

(iv) $(\ -2x + 2\ ) = 0$

(v) $(\ -4x + 2\ ) = 0$

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16. The linear equation $(\ 3x - 3y\ ) = (\ -4x - 5y + 2\ )$ is equivalent to

(i) $(\ 6x + 2y - 2\ ) = 0$

(ii) $(\ 8x + 2y - 2\ ) = 0$

(iii) $(\ 3x - 3y\ ) = (\ -4x - 7y + 2\ )$

(iv) $(\ 3x - 3y\ ) = (\ -4x - 3y + 2\ )$

(v) $(\ 7x + 2y - 2\ ) = 0$

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17. The value of x in terms of other variables and constant in $(\ -7x + 7\ ) = (\ -4x + 8\ )$ is

(i) $x = \frac{1}{3}$ (ii) $x = (\ -\frac{1}{5}\ )$ (iii) $x = (\ -\frac{1}{3}\ )$ (iv) $x = (\ -1\ )$

Assignment Key

1) (ii)
2) (iv)
3) (iv)
4) (v)
5) (iii)
6) (v)
7) (i)
8) (i)
9) (iv)
10) (ii)
11) (iii)
12) (iv)
13) (iii)
14) (i)
15) (ii)
16) (v)
17) (iii)