

EduSahara™ Learning Center Assignment**Grade : Class X, SSC****Chapter : Pair of Linear Equations in Two Variables****Name : Solution of a Pair of Linear Equations**

1. Solve $(-7x + 5y + 27) = 0$
 $(3x + 7y - 39) = 0$

(i) $(7, 3)$ (ii) $(6, 1)$ (iii) $(6, 3)$ (iv) $(6, 2)$ (v) $(9, 3)$

2. Solve $(-2x + 5y + 1) = 0$
 $(2x + y + 3) = 0$

(i) $(\frac{-5}{6}, -2)$ (ii) $(\frac{-9}{8}, -2)$ (iii) $(\frac{-7}{6}, \frac{-2}{3})$
 (iv) $(\frac{-9}{8}, \frac{-2}{3})$ (v) $(\frac{-5}{6}, \frac{-4}{3})$

3. Solve $(x - 5y + 3) = (-4)$
 $(2x - 5y - 2) = 3$

(i) $(13, \frac{13}{3})$ (ii) $(13, \frac{19}{5})$ (iii) $(14, \frac{17}{5})$
 (iv) $(12, \frac{19}{5})$ (v) $(14, \frac{13}{3})$

4. Solve $(-x + 3y - 2) = (-2x + 5y - 1)$
 $(-3x + 2y + 2) = (2x - 5y - 1)$

(i) $(\frac{-1}{5}, \frac{-2}{3})$ (ii) $(\frac{-1}{3}, \frac{-2}{3})$ (iii) $(\frac{-1}{5}, -2)$
 (iv) $(\frac{1}{3}, -2)$ (v) $(\frac{1}{3}, \frac{-4}{3})$

5. Solve $(-x - 12y - 3) = 0$
 $(5x - 5y + 15) = 0$

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

6. Solve $(5x - 5y + 2) = 0$
 $(3x - 4y - 5) = 0$

(i) $(\frac{-45}{7}, \frac{-31}{5})$ (ii) $(\frac{-33}{5}, \frac{-31}{5})$ (iii) $(\frac{-45}{7}, \frac{-19}{3})$
 (iv) $(\frac{-31}{5}, \frac{-19}{2})$ (v) $(\frac{-31}{5}, \frac{-33}{5})$

$$(4x - 3y + 1) = 5$$

7. Solve

$$(-5x - 5y - 2) = 0$$

$$(i) \left(\frac{2}{7}, \left(-\frac{4}{3}\right)\right) (ii) \left(\frac{2}{7}, \left(-\frac{4}{5}\right)\right) (iii) \left(\frac{4}{5}, \left(-\frac{4}{3}\right)\right)$$

$$(iv) \left(\frac{2}{5}, \left(-\frac{4}{5}\right)\right) (v) \left(\frac{4}{5}, \left(-\frac{6}{5}\right)\right)$$

$$(-3x - 4y) = (x + 2y - 1)$$

8. Solve

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

$$(i) \left(\left(-\frac{15}{22}\right), \frac{13}{22}\right) (ii) \left(\left(-\frac{15}{22}\right), \frac{3}{4}\right) (iii) \left(\left(-\frac{17}{24}\right), \frac{3}{4}\right)$$

$$(iv) \left(\left(-\frac{17}{22}\right), \frac{15}{22}\right) (v) \left(\left(-\frac{17}{24}\right), \frac{15}{22}\right)$$

$$(4x + 3y + 23) = 0$$

9. Solve

$$(16x - 4y - 52) = 0$$

$$(i) (2, -9) (ii) (4, -9) (iii) (1, -9) (iv) (1, -11) (v) (1, -10)$$

$$(4x + y + 4) = 0$$

10. Solve

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

$$(i) (1, -2) (ii) (0, -1) (iii) (1, -1)$$

$$(iv) (0, 0) (v) (-1, 0)$$

$$(-4x - 2y + 3) = 0$$

11. Solve

$$(-5x - 5y - 1) = 1$$

$$(i) \left(\frac{7}{4}, \left(-\frac{23}{10}\right)\right) (ii) \left(\frac{7}{4}, \left(-\frac{19}{8}\right)\right) (iii) \left(\frac{21}{10}, \left(-\frac{19}{8}\right)\right)$$

$$(iv) \left(\frac{21}{10}, \left(-\frac{5}{2}\right)\right) (v) \left(\frac{19}{10}, \left(-\frac{23}{10}\right)\right)$$

$$(3x + y) = (-3x - 3y - 2)$$

12. Solve

$$(-3x - 5y + 1) = (-4x - 2y + 5)$$

$$(i) \left(\frac{7}{11}, \left(-\frac{11}{9}\right)\right) (ii) \left(\frac{5}{11}, \left(-\frac{13}{11}\right)\right) (iii) \left(\frac{5}{13}, \left(-\frac{11}{9}\right)\right)$$

$$(iv) \left(\frac{7}{11}, \left(-\frac{15}{11}\right)\right) (v) \left(\frac{5}{13}, \left(-\frac{13}{11}\right)\right)$$

Assignment Key

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