



1. Solve $(13x - 14y + 9) = 0$
 $(7x - 12y - 13) = 0$

- (i) (-5, -4) (ii) (-5, -6) (iii) (-5, -5) (iv) (-4, -4) (v) (-2, -4)

2. Solve $(-4x + 3y - 2) = 0$
 $(x + 3y + 1) = 0$

- (i) $(\frac{-3}{7}, \frac{-2}{13})$ (ii) $(\frac{-1}{5}, \frac{-4}{15})$ (iii) $(\frac{-3}{7}, \frac{-2}{15})$ (iv) $(\frac{-3}{5}, \frac{-2}{15})$ (v) $(\frac{-1}{5}, \frac{-2}{13})$

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

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

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

- (i) $(\frac{-8}{3}, -1)$ (ii) $(\frac{-20}{7}, \frac{-5}{7})$ (iii) $(\frac{-8}{3}, \frac{-5}{7})$ (iv) $(\frac{-18}{7}, -1)$

Solve the following pair of equations :

5. $\frac{4}{x} + \frac{14}{y} = 94$

$\frac{9}{x} - \frac{13}{y} = 11$

- (i) $(\frac{1}{8}, \frac{1}{5})$ (ii) $(\frac{1}{6}, \frac{1}{3})$ (iii) $(\frac{1}{6}, \frac{-1}{5})$ (iv) $(\frac{1}{2}, \frac{1}{5})$ (v) $(\frac{1}{6}, \frac{1}{5})$

Solve the following pair of equations :

6. $x - \frac{4}{y} = (-31)$

$-4x + \frac{9}{y} = 51$

- (i) $(3, \frac{1}{7})$ (ii) $(4, \frac{1}{7})$ (iii) $(3, \frac{1}{5})$ (iv) $(3, \frac{-1}{7})$ (v) $(6, \frac{1}{7})$

Solve the following pair of equations :

7.
$$\frac{1}{x} - \frac{1}{y} - 10y = (-1)$$

$$\frac{6}{x} - \frac{1}{y} - 5y = 49$$

- (i) $(\frac{-1}{9}, 1)$ (ii) $(\frac{-1}{3}, 1)$ (iii) $(\frac{-1}{9}, -2)$ (iv) $(\frac{-1}{7}, 1)$ (v) $(\frac{-1}{9}, 0)$

Solve the following pair of equations :

8.
$$\frac{4}{x+y} - \frac{2}{x-y} = (-36)$$

$$\frac{13}{x+y} + \frac{6}{x-y} = (-42)$$

- (i) $(\frac{1}{8}, 0)$ (ii) $(\frac{1}{6}, 0)$ (iii) $(\frac{1}{6}, -3)$ (iv) $(\frac{1}{6}, -1)$ (v) $(\frac{1}{2}, 0)$

Solve the following pair of equations :

9.
$$\frac{13}{3x+y} + \frac{1}{3x-y} = (-9)$$

$$\frac{9}{3x+y} - \frac{6}{3x-y} = (-33)$$

- (i) $(\frac{5}{24}, \frac{1}{8})$ (ii) $(\frac{7}{24}, \frac{3}{8})$ (iii) $(\frac{5}{26}, \frac{3}{8})$ (iv) $(\frac{5}{24}, \frac{3}{8})$ (v) $(\frac{5}{24}, \frac{1}{2})$

Solve the following pair of equations :

10.
$$\frac{11}{x-3} - \frac{5}{y+2} = (-21)$$

$$\frac{15}{x-3} - \frac{7}{y+2} = (-27)$$

- (i) $(\frac{17}{6}, -2)$ (ii) $(1, (\frac{-19}{9}))$ (iii) $(\frac{17}{6}, (\frac{-19}{9}))$ (iv) $(3, (\frac{-19}{9}))$ (v) $(\frac{17}{6}, -1)$

Solve the following pair of equations :

11. $(-10x-8y)=74xy$

$$(-6x-2y)=22xy$$

- (i) $(\frac{-1}{8}, \frac{1}{-1})$ (ii) $(\frac{-1}{8}, -2)$ (iii) $(\frac{-1}{6}, \frac{1}{-1})$ (iv) $(\frac{-3}{8}, \frac{1}{-1})$ (v) $(\frac{-1}{8}, -4)$

Solve the following pair of equations :

12. $\frac{(-6x-8y)}{xy}=-2$

$$\frac{(-x+5y)}{xy}=6$$

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

Solve the following pair of equations :

13. $\frac{2}{\sqrt{x}} - \frac{3}{\sqrt{y}} = 7$

$$\frac{6}{\sqrt{x}} - \frac{1}{\sqrt{y}} = 29$$

- (i) $(\frac{1}{27}, 1)$ (ii) $(\frac{3}{25}, 1)$ (iii) $(\frac{1}{25}, -1)$ (iv) $(\frac{1}{25}, 1)$ (v) $(\frac{1}{25}, 0)$

Assignment Key

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