



1. Solve $(14x - 13y + 9) = 0$
 $(16x - 14y + 18) = 0$

- (i) (-7, -9) (ii) (-8, -9) (iii) (-9, -10) (iv) (-9, -11) (v) (-9, -9)

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

- (i) $(\frac{1}{4}, \frac{9}{8})$ (ii) $(\frac{1}{6}, \frac{7}{6})$ (iii) $(\frac{1}{6}, \frac{9}{8})$ (iv) $(\frac{3}{4}, \frac{7}{6})$ (v) $(\frac{3}{4}, \frac{7}{8})$

3. Solve $(-4x + 2y - 5) = 1$
 $(-4x + 4y + 1) = 0$

- (i) $(\frac{-19}{6}, -4)$ (ii) $(\frac{-13}{4}, \frac{-7}{2})$ (iii) $(\frac{-11}{4}, -4)$ (iv) $(\frac{-11}{4}, \frac{-9}{2})$ (v) $(\frac{-19}{6}, \frac{-7}{2})$

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

- (i) $(\frac{55}{29}, \frac{-35}{29})$ (ii) $(\frac{55}{29}, \frac{-31}{27})$ (iii) $(\frac{53}{29}, \frac{-33}{29})$ (iv) $(\frac{55}{31}, \frac{-33}{29})$ (v) $(\frac{55}{31}, \frac{-31}{27})$

Solve the following pair of equations :

5. $\frac{11}{x} - \frac{2}{y} = (-62)$

$\frac{14}{x} + \frac{13}{y} = 61$

- (i) $(\frac{1}{4}, \frac{1}{9})$ (ii) $(\frac{1}{6}, \frac{1}{9})$ (iii) $(\frac{3}{4}, \frac{1}{9})$ (iv) $(\frac{1}{4}, \frac{1}{7})$ (v) $(\frac{1}{4}, \frac{-1}{9})$

Solve the following pair of equations :

6. $7x + \frac{11}{y} = 46$

$5x - \frac{2}{y} = 23$

- (i) $(7, \frac{1}{1})$ (ii) $(5, 0)$ (iii) $(5, \frac{1}{1})$ (iv) $(5, -1)$ (v) $(6, \frac{1}{1})$

Solve the following pair of equations :

7.
$$\frac{1}{x} - \frac{7}{y} = 22$$
$$\frac{4}{x} - \frac{12}{y} = 24$$

- (i) $(\frac{-1}{4}, -4)$ (ii) $(\frac{-1}{2}, -4)$ (iii) $(\frac{-1}{6}, -7)$ (iv) $(\frac{-1}{6}, -5)$ (v) $(\frac{-1}{6}, -4)$

Solve the following pair of equations :

8.
$$\frac{4}{x+y} + \frac{14}{x-y} = 48$$

$$\frac{6}{x+y} - \frac{3}{x-y} = 24$$

- (i) $(\frac{7}{20}, \frac{-3}{20})$ (ii) $(\frac{7}{20}, \frac{-1}{6})$ (iii) $(\frac{7}{22}, \frac{-3}{20})$ (iv) $(\frac{9}{20}, \frac{-3}{20})$ (v) $(\frac{7}{20}, \frac{-1}{4})$

Solve the following pair of equations :

9.
$$\frac{5}{3x+y} + \frac{5}{3x-y} = 20$$

$$\frac{12}{3x+y} + \frac{11}{3x-y} = 51$$

- (i) $(\frac{-2}{63}, \frac{1}{7})$ (ii) $(\frac{-2}{63}, \frac{5}{21})$ (iii) $(0, \frac{5}{21})$ (iv) $(\frac{-2}{65}, \frac{5}{21})$ (v) $(\frac{-2}{63}, \frac{5}{19})$

Solve the following pair of equations :

10.
$$\frac{9}{x+3} - \frac{7}{y+2} = 16$$

$$\frac{3}{x+3} + \frac{6}{y+2} = -3$$

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

Solve the following pair of equations :

11.
$$(-9x - 15y) = 48xy$$
$$(-17x - 13y) = (-32xy)$$

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

Solve the following pair of equations :

12. $\frac{(-3x+6y)}{xy} = 39$

$$\frac{(5x+10y)}{xy} = 35$$

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

Solve the following pair of equations :

13. $\frac{2}{\sqrt{x}} - \frac{6}{\sqrt{y}} = 10$

$$\frac{4}{\sqrt{x}} - \frac{2}{\sqrt{y}} = -20$$

- (i) $(\frac{1}{49}, \frac{1}{14})$ (ii) $(\frac{1}{49}, \frac{1}{16})$ (iii) $(\frac{3}{49}, \frac{1}{16})$ (iv) $(\frac{1}{51}, \frac{1}{16})$ (v) $(\frac{1}{49}, (\frac{-1}{16}))$

Assignment Key

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