



1. Solve
$$\begin{cases} -4y-16 = 0 \\ -5x-2y-43=0 \end{cases}$$

- (i) (-5,-4) (ii) (-7,-4) (iii) (-7,-5) (iv) (-7,-6) (v) (-6,-4)

2. Solve
$$\begin{cases} -5x+4y-4=0 \\ -5x-3y-5=0 \end{cases}$$

- (i) $(\frac{-32}{37}, \frac{-1}{5})$ (ii) $(\frac{-6}{7}, \frac{-1}{5})$ (iii) $(\frac{-6}{7}, \frac{-3}{7})$ (iv) $(\frac{-32}{35}, \frac{-1}{7})$ (v) $(\frac{-32}{37}, \frac{-1}{7})$

3. Solve
$$\begin{cases} x+4y+3=-5 \\ x-5y-4=-1 \end{cases}$$

- (i) $(\frac{-26}{9}, \frac{-9}{7})$ (ii) $(\frac{-34}{11}, \frac{-9}{7})$ (iii) $(\frac{-28}{9}, \frac{-11}{9})$ (iv) $(\frac{-34}{11}, \frac{-11}{9})$ (v) $(\frac{-26}{9}, \frac{-13}{9})$

4. Solve
$$\begin{cases} -5x+y = (2x+4y-1) \\ 5x+2y-5 = (-5x+y-2) \end{cases}$$

- (i) $(\frac{8}{25}, \frac{-11}{23})$ (ii) $(\frac{10}{23}, \frac{-13}{23})$ (iii) $(\frac{10}{23}, \frac{-11}{21})$ (iv) $(\frac{8}{23}, \frac{-11}{23})$ (v) $(\frac{8}{25}, \frac{-11}{21})$

5. Solve
$$\begin{cases} -11x+14y+27=0 \\ -4x+y+18 = 0 \end{cases}$$

- (i) (6,2) (ii) (5,0) (iii) (8,2) (iv) (5,2) (v) (5,1)

6. Solve
$$\begin{cases} -3x-4y-3=0 \\ 2x-y+1 = 0 \end{cases}$$

- (i) $(\frac{-7}{13}, \frac{-3}{11})$ (ii) $(\frac{-5}{11}, \frac{-1}{3})$ (iii) $(\frac{-7}{13}, \frac{-1}{3})$ (iv) $(\frac{-5}{11}, \frac{-5}{11})$ (v) $(\frac{-7}{11}, \frac{-3}{11})$

7. Solve
$$\begin{cases} x+2y+2 = 1 \\ -2x+2y+1=4 \end{cases}$$

- (i) $(\frac{-2}{3}, \frac{-1}{6})$ (ii) $(\frac{-4}{3}, \frac{1}{6})$ (iii) $(\frac{-6}{5}, \frac{1}{4})$ (iv) $(\frac{-2}{3}, \frac{1}{4})$ (v) $(\frac{-6}{5}, \frac{1}{6})$

8. Solve
$$\begin{cases} x-4y-3 = (-2x-y+3) \\ -2x-2y+5 = (-5x+2y-2) \end{cases}$$

- (i) (15,13) (ii) (17,11) (iii) (16,12) (iv) (17,12) (v) (16,13)

9. Solve
$$\begin{cases} 12x-10y-66=0 \\ 15x-2y+12 = 0 \end{cases}$$

- (i) (-2,-9) (ii) (1,-9) (iii) (-1,-9) (iv) (-2,-12) (v) (-2,-10)

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

- (i) $(\frac{-9}{8}, \frac{-3}{8})$ (ii) $(\frac{-7}{8}, \frac{-1}{2})$ (iii) $(\frac{-7}{8}, \frac{-5}{8})$ (iv) $(\frac{-11}{10}, \frac{-1}{2})$ (v) $(\frac{-11}{10}, \frac{-3}{8})$

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

- (i) $(\frac{-9}{2}, \frac{5}{2})$ (ii) $(\frac{-17}{4}, 3)$ (iii) $(\frac{-17}{4}, \frac{5}{2})$ (iv) $(\frac{-7}{2}, 3)$ (v) $(\frac{-7}{2}, \frac{3}{2})$

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

- (i) $(\frac{4}{9}, \frac{-13}{21})$ (ii) $(\frac{6}{7}, \frac{-13}{19})$ (iii) $(\frac{4}{7}, \frac{-13}{21})$ (iv) $(\frac{4}{9}, \frac{-13}{19})$ (v) $(\frac{6}{7}, \frac{-5}{7})$

Assignment Key

1) (ii)

2) (iv)

3) (iii)

4) (iv)

5) (iv)

6) (v)

7) (ii)

8) (i)

9) (i)

10) (i)

11) (i)

12) (iii)