



1. Solve $(5x-3y+44)=0$
 $(x-16y+55)=0$

- (i) (-6,3) (ii) (-5,3) (iii) (-7,3) (iv) (-7,1) (v) (-7,2)

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

- (i) $(\frac{19}{10}, \frac{7}{5})$ (ii) $(\frac{17}{10}, \frac{9}{5})$ (iii) $(\frac{19}{12}, \frac{7}{3})$ (iv) $(\frac{19}{10}, \frac{7}{3})$ (v) $(\frac{19}{12}, \frac{9}{5})$

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

- (i) (14,4) (ii) (14,5) (iii) (13,6) (iv) (13,5) (v) (12,6)

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

- (i) $(\frac{1}{3}, 1)$ (ii) $(\frac{1}{5}, 0)$ (iii) $(\frac{1}{5}, 1)$ (iv) (1,0) (v) (1,-2)

5. Solve $(-3x+2y-10)=0$
 $(4x-y+20) = 0$

- (i) (-5,-4) (ii) (-6,-5) (iii) (-3,-4) (iv) (-6,-7) (v) (-6,-4)

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

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

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

- (i) $((\frac{-11}{5}), \frac{13}{3})$ (ii) $((\frac{-13}{5}), \frac{19}{5})$ (iii) $((\frac{-11}{5}), \frac{17}{5})$ (iv) $((\frac{-17}{7}), \frac{19}{5})$ (v) $((\frac{-17}{7}), \frac{13}{3})$

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

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

9. Solve
$$\begin{aligned}(-9x+10y+42) &= 0 \\ (-10x+3y+71) &= 0\end{aligned}$$

- (i) (8,1) (ii) (8,2) (iii) (10,3) (iv) (8,3) (v) (9,3)

10. Solve
$$\begin{aligned}(-x-2y-5) &= 0 \\ (x+4y-2) &= 0\end{aligned}$$

- (i) $(-11, \frac{7}{2})$ (ii) $(-12, \frac{7}{2})$ (iii) (-10,4) (iv) $(-10, \frac{5}{2})$ (v) (-11,4)

11. Solve
$$\begin{aligned}(-5x-y+5) &= (-2) \\ (-x-2y+4) &= (-2)\end{aligned}$$

- (i) $(\frac{10}{9}, \frac{7}{3})$ (ii) $(\frac{10}{9}, \frac{19}{7})$ (iii) $(\frac{8}{9}, \frac{23}{9})$ (iv) $(\frac{8}{11}, \frac{23}{9})$ (v) $(\frac{8}{11}, \frac{19}{7})$

12. Solve
$$\begin{aligned}(-3x-3y-3) &= (2x+3y) \\ (4x+y-3) &= (-5x+2y-2)\end{aligned}$$

- (i) $(\frac{5}{59}, (\frac{-32}{57}))$ (ii) $(\frac{3}{61}, (\frac{-32}{59}))$ (iii) $(\frac{3}{61}, (\frac{-32}{57}))$ (iv) $(\frac{5}{59}, (\frac{-34}{59}))$ (v) $(\frac{3}{59}, (\frac{-32}{59}))$

Assignment Key

1) (iii)

2) (ii)

3) (v)

4) (i)

5) (v)

6) (ii)

7) (ii)

8) (iv)

9) (iv)

10) (ii)

11) (iii)

12) (v)