



1. Solve
$$\begin{aligned} (-6x+5y+6) &= 0 \\ (5x-5) &= 0 \end{aligned}$$

- (i) (4,0) (ii) (1,-1) (iii) (2,0) (iv) (1,-2) (v) (1,0)

2. Solve
$$\begin{aligned} (2x+3y+3) &= 0 \\ (3x+y-1) &= 0 \end{aligned}$$

- (i) $(\frac{2}{3}, (\frac{-11}{7}))$ (ii) $(\frac{6}{7}, (\frac{-11}{7}))$ (iii) $(\frac{8}{7}, (\frac{-13}{7}))$ (iv) $(\frac{8}{7}, (\frac{-9}{5}))$ (v) $(\frac{2}{3}, (\frac{-9}{5}))$

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

- (i) $((\frac{-52}{7}), (\frac{-31}{5}))$ (ii) $((\frac{-36}{5}), (\frac{-33}{5}))$ (iii) $((\frac{-36}{5}), (\frac{-19}{3}))$ (iv) $((\frac{-52}{7}), (\frac{-19}{3}))$ (v) $((\frac{-38}{5}), (\frac{-31}{5}))$

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

- (i) $(\frac{3}{8}, (\frac{-5}{4}))$ (ii) $(\frac{3}{8}, (\frac{-7}{6}))$ (iii) $(\frac{1}{10}, (\frac{-5}{6}))$ (iv) $(\frac{1}{8}, (\frac{-5}{6}))$ (v) $(\frac{1}{10}, (\frac{-5}{4}))$

5. Solve
$$\begin{aligned} (-5x-6y-27) &= 0 \\ (10x-2y+26) &= 0 \end{aligned}$$

- (i) (-3,-4) (ii) (0,-2) (iii) (-3,-3) (iv) (-2,-2) (v) (-3,-2)

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

- (i) $((\frac{-20}{21}), \frac{29}{21})$ (ii) $((\frac{-20}{23}), \frac{27}{19})$ (iii) $((\frac{-20}{23}), \frac{29}{21})$ (iv) $((\frac{-6}{7}), \frac{9}{7})$ (v) $((\frac{-6}{7}), \frac{27}{19})$

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

- (i) $(\frac{17}{32}, \frac{11}{28})$ (ii) $(\frac{19}{30}, \frac{3}{10})$ (iii) $(\frac{17}{32}, \frac{11}{30})$ (iv) $(\frac{19}{30}, \frac{11}{28})$ (v) $(\frac{17}{30}, \frac{11}{30})$

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

- (i) $(\frac{5}{2}, (\frac{-9}{4}))$ (ii) $(\frac{5}{2}, (\frac{-13}{6}))$ (iii) $(\frac{11}{4}, (\frac{-5}{2}))$ (iv) $(\frac{11}{4}, (\frac{-9}{4}))$ (v) $(\frac{31}{12}, (\frac{-13}{6}))$

9. Solve
$$\begin{cases} (x+7y+21)=0 \\ (10y+40) = 0 \end{cases}$$

- (i) (8,-4) (ii) (7,-5) (iii) (7,-4) (iv) (7,-6) (v) (9,-4)

10. Solve
$$\begin{cases} (x+3y+4)=0 \\ (x+5y) = 0 \end{cases}$$

- (i) (-7,-1) (ii) (-7,1) (iii) (-9,2) (iv) (-10,2) (v) (-9,1)

11. Solve
$$\begin{cases} (5x+y-2)=(-2) \\ (3x+4y-5) = 1 \end{cases}$$

- (i) $(\frac{-4}{17}, \frac{28}{17})$ (ii) $(\frac{-6}{19}, \frac{28}{15})$ (iii) $(\frac{-6}{17}, \frac{30}{17})$ (iv) $(\frac{-4}{17}, \frac{28}{15})$ (v) $(\frac{-6}{19}, \frac{30}{17})$

12. Solve
$$\begin{cases} (-x+2y+4) = (4x-y) \\ (x+2y-5)=(-x-3y+1) \end{cases}$$

- (i) $(\frac{40}{33}, \frac{22}{29})$ (ii) $(\frac{40}{33}, \frac{22}{31})$ (iii) $(\frac{40}{31}, \frac{20}{31})$ (iv) $(\frac{40}{31}, \frac{22}{29})$ (v) $(\frac{38}{31}, \frac{22}{31})$

Assignment Key

1) (v)

2) (ii)

3) (v)

4) (iv)

5) (v)

6) (i)

7) (v)

8) (v)

9) (iii)

10) (iv)

11) (iii)

12) (v)