



1. Solve $(15x+13y+3)=0$
 $(15x+8y-27)=0$

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

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

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

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

- (i) $(-3, (\frac{-9}{2}))$ (ii) $(-4, (\frac{-15}{4}))$ (iii) $(-2, (\frac{-9}{2}))$ (iv) $(-3, (\frac{-15}{4}))$ (v) $(-2, (\frac{-17}{4}))$

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

- (i) $(\frac{9}{11}, (\frac{-17}{9}))$ (ii) $(\frac{7}{13}, (\frac{-19}{11}))$ (iii) $(\frac{7}{11}, (\frac{-19}{11}))$ (iv) $(\frac{7}{13}, (\frac{-17}{9}))$ (v) $(\frac{9}{11}, (\frac{-21}{11}))$

5. Solve $(3x-6y+24)=0$
 $(2x-y+16) = 0$

- (i) (-6,0) (ii) (-8,-2) (iii) (-8,0) (iv) (-7,0) (v) (-8,-1)

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

- (i) $(\frac{2}{5}, \frac{7}{6})$ (ii) $(\frac{2}{5}, \frac{5}{4})$ (iii) $(\frac{4}{3}, \frac{5}{6})$ (iv) $(\frac{2}{3}, \frac{7}{6})$ (v) $(\frac{4}{3}, \frac{5}{4})$

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

- (i) $((\frac{-3}{2}), (\frac{-3}{14}))$ (ii) $((\frac{-3}{2}), (\frac{-3}{16}))$ (iii) $((\frac{-23}{16}), (\frac{-3}{14}))$ (iv) $((\frac{-23}{16}), (\frac{-5}{16}))$ (v) $((\frac{-25}{16}), (\frac{-3}{16}))$

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

- (i) $((\frac{-1}{15}), (\frac{-5}{3}))$ (ii) $((\frac{-1}{17}), (\frac{-5}{3}))$ (iii) $(\frac{1}{15}, -3)$ (iv) $((\frac{-1}{17}), -3)$ (v) $(\frac{1}{15}, (\frac{-7}{3}))$

9. Solve $(2x+5y+15)=0$
 $(2x+7y+21)=0$

- (i) (0,-3) (ii) (0,-6) (iii) (3,-3) (iv) (1,-3) (v) (0,-4)

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

- (i) $(\frac{27}{14}, \frac{4}{7})$ (ii) $(\frac{29}{14}, \frac{2}{7})$ (iii) $(\frac{29}{16}, \frac{4}{5})$ (iv) $(\frac{29}{14}, \frac{4}{5})$ (v) $(\frac{29}{16}, \frac{4}{7})$

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

- (i) $(\frac{-3}{4}, \frac{-1}{6})$ (ii) $(\frac{-11}{14}, \frac{1}{6})$ (iii) $(\frac{-11}{12}, \frac{1}{6})$ (iv) $(\frac{-3}{4}, \frac{1}{4})$ (v) $(\frac{-11}{14}, \frac{1}{4})$

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

- (i) $(\frac{-2}{5}, \frac{4}{23})$ (ii) $(\frac{-8}{23}, \frac{2}{23})$ (iii) $(\frac{-10}{23}, \frac{4}{23})$ (iv) $(\frac{-2}{5}, \frac{4}{21})$ (v) $(\frac{-8}{23}, \frac{4}{21})$

Assignment Key

1) (ii)

2) (v)

3) (ii)

4) (iii)

5) (iii)

6) (iv)

7) (v)

8) (i)

9) (i)

10) (i)

11) (iii)

12) (iii)