

$$25. \begin{cases} \frac{3x+y}{x-1} - \frac{x-y}{2y} = 2, \\ x-y=4. \end{cases}$$

$$27. \begin{cases} \frac{x+y}{x-y} + 6 \frac{x-y}{x+y} = 5, \\ xy=2. \end{cases}$$

$$26. \begin{cases} \frac{x+y}{x-y} + \frac{x-y}{x+y} = \frac{13}{6}, \\ xy=5. \end{cases}$$

$$28. \begin{cases} \frac{1}{3x} - \frac{1}{2y} = \frac{1}{3}, \\ \frac{1}{9x^2} - \frac{1}{4y^2} = \frac{1}{4}. \end{cases}$$

$$29. \begin{cases} \frac{1}{x+1} + \frac{1}{y} = \frac{1}{3}, \\ \frac{1}{(x+1)^2} - \frac{1}{y^2} = \frac{1}{4}. \end{cases}$$

$$30. \begin{cases} \frac{1}{2x-y} + y = -5, \\ \frac{y}{2x-y} = 6. \end{cases}$$

$$31. \begin{cases} \frac{1}{2x+y} + x = 3, \\ \frac{x}{2x+y} = -4. \end{cases}$$

$$32. \begin{cases} \frac{1}{x+2y} + y = 2, \\ \frac{y}{x+2y} = -3. \end{cases}$$

$$33. \begin{cases} \frac{1}{x-y} + x = 1, \\ \frac{x}{x-y} = -2. \end{cases}$$

$$35. \begin{cases} \frac{x+y}{x-y} + \frac{x-y}{x+y} = \frac{5}{6}, \\ x^2 + y^2 = 20. \end{cases}$$

$$36. \begin{cases} 2xy - 3 \frac{x}{y} = 15, \\ xy + \frac{x}{y} = 15. \end{cases}$$

$$14. \begin{cases} xy + x + y = 11, \\ x^2y + xy^2 = 30. \end{cases}$$

$$15. \begin{cases} xy + 4 = 0, \\ x + y = 3. \end{cases}$$

$$16. \begin{cases} x^2 - y^2 = 16, \\ x + y = 8. \end{cases}$$

$$17. \begin{cases} x^2 + y^2 = 41, \\ y - x = 1. \end{cases}$$

$$18. \begin{cases} x^2 + y^2 = 41, \\ x + y = 9. \end{cases}$$

$$19. \begin{cases} x + y = 7, \\ y = 6/x. \end{cases}$$

$$20. \begin{cases} x^2 + y^2 + 6x + 2y = 0, \\ x + y + 8 = 0. \end{cases} \quad 21. \begin{cases} \frac{x}{y} + \frac{y}{x} = \frac{13}{6}, \\ x + y = 5. \end{cases}$$

$$22. \begin{cases} \frac{x}{y} - \frac{y}{x} = \frac{5}{6}, \\ x^2 - y^2 = 5. \end{cases} \quad 23. \begin{cases} x^2 - xy + y^2 = 7, \\ x + y = 5. \end{cases}$$

$$24. \begin{cases} \frac{x+3}{y-4} - \frac{x-1}{y+4} + \frac{16}{y^2-16} = 0, \\ 11x - 3y = 1. \end{cases}$$

14. {(1; 5); (5; 1); (2; 3); (3; 2)}  
 15. {(4; -1); (-1; 4)}  
 16. {(5; 3)}. 17. {(-5; -4); (4; 5)}.  
 18. {(4; 5); (5; 4)}. 19. {(1; 6); (6; 1)}.  
 20. {(-6; -2); (-4; -4)}. 21. {(3; 2); (2; 3)}. 22. {(-3; -2); (3; 2)}.  
 23. {(2; 3); (3; 2)}. 24.  $\emptyset$ . 25. {(5; 1)}. 26. {(-5; -1); (5; 1)}.  
 27. {(-2; -1); (2; 1); (- $\sqrt{6}$ ; - $\sqrt{6}/3$ ); ( $\sqrt{6}$ ;  $\sqrt{6}/3$ )}. 28. {(8/13; 12/5)}  
 29. {(11/13; -24/5)}. 30. {(-7/4; -3); (-7/6; -2)}. 31. {(-1; 9/4); (4; -9)}.  
 32. {(-7; 3); (7/3; -1)}. 33. {(-1; -3/2); (2; 3)}. 34. {(4; -3); (4; 3)}.  
 35. {(-3 $\sqrt{2}$ ; - $\sqrt{2}$ ); (-3 $\sqrt{2}$ ;  $\sqrt{2}$ ); (3 $\sqrt{2}$ ; - $\sqrt{2}$ ); (3 $\sqrt{2}$ ;  $\sqrt{2}$ )}.  
 36. {(-6; -2); (6; 2)}. 37. {(-2; -3); (2; 3)}. 38. {(-2; -4); (-4; -2); (2; 4); (4; 2)}.  
 39. {(2; 8); (8; 2); (-2; -8); (-8; -2)}. 40. {(-9/5; -16/5); (9/5; 16/5)}  
 41. {(-3; -2); (3; 2)}. 42. {(-10; -11); (10; 11)}. 43. {(-7; -3); (7; 3)}.  
 44. {(7 $\sqrt{2/5}$ ; -3 $\sqrt{2/5}$ ); (-7 $\sqrt{2/5}$ ; 3 $\sqrt{2/5}$ )}.  
 45. {(-3; -2); (3; 2)}. 46. {(-3; 4); (4; -3)}. 47. {(-3; 4); (4; -3)}.  
 48. {-1; -3); (3/2; 2); (- $\sqrt{7/2}$ ; 0); ( $\sqrt{7/2}$ ; 0)}.  
 49. {(1; 2); (2; 1)}.  
 50. {(-5 -  $\sqrt{55}$ ; -5 +  $\sqrt{55}$ ); (-5 +  $\sqrt{55}$ ; -5 -  $\sqrt{55}$ ); (4; 12); (12; 4)}  
 51. {(-3; -5); (-5/3; -13/3); (5/3; 13/3); (3; 5)}.  
 52. {(-4; -5); (-3 $\sqrt{3}$ ; - $\sqrt{3}$ ); (3 $\sqrt{3}$ ;  $\sqrt{3}$ ); (4; 5)}.  
 53. {(-1; -2); (- $\sqrt{2}$ ; - $\sqrt{2}$ ); (1; 2); ( $\sqrt{2}$ ;  $\sqrt{2}$ )}.  
 54. {(1; 4); (4; 1); (2 -  $\sqrt{3}$ ; 2 +  $\sqrt{3}$ ); (2 +  $\sqrt{3}$ ; 2 -  $\sqrt{3}$ )}.

37.  $\begin{cases} xy - \frac{x}{y} = \frac{16}{3} \\ xy - \frac{y}{x} = \frac{9}{2} \end{cases}$   
 38.  $\begin{cases} x^2 + y^2 = 20 \\ xy = 8 \end{cases}$   
 39.  $\begin{cases} x^2 + y^2 = 68 \\ xy = 16 \end{cases}$   
 40.  $\begin{cases} x(x+y) = 9 \\ y(x+y) = 16 \end{cases}$   
 41.  $\begin{cases} x^2 + xy = 15 \\ y^2 + xy = 10 \end{cases}$   
 42.  $\begin{cases} y^2 + xy = 231 \\ x^2 + xy = 210 \end{cases}$   
 43.  $\begin{cases} x^2 - xy = 28 \\ y^2 - xy = -12 \end{cases}$   
 44.  $\begin{cases} y^2 - xy = 12 \\ x^2 - xy = 28 \end{cases}$   
 45.  $\begin{cases} x^2 + y^2 = 25 - 2xy \\ y(x+y) = 10 \end{cases}$   
 46.  $\begin{cases} 5(x+y) + 2xy = -19 \\ 15xy + 5(x+y) = -175 \end{cases}$   
 47.  $\begin{cases} 5(x+y) + 2xy = -19 \\ 3xy + x + y = -35 \end{cases}$   
 48.  $\begin{cases} 4x^2 + y^2 - 2xy = 7 \\ (2x-y)y = y \end{cases}$   
 49.  $\begin{cases} x + y + xy = 5 \\ x^2 + y^2 + xy = 7 \end{cases}$   
 50.  $\begin{cases} \frac{1}{x} + \frac{1}{y} = \frac{1}{3} \\ x^2 + y^2 = 160 \end{cases}$   
 51.  $\begin{cases} 2y^2 - 4xy + 3x^2 = 17 \\ y^2 - x^2 = 16 \end{cases}$   
 52.  $\begin{cases} x^2 - xy + y^2 = 21 \\ y^2 - 2xy + 15 = 0 \end{cases}$   
 53.  $\begin{cases} 2x^2 + y^2 + 3xy = 12 \\ 2(x+y)^2 - y^2 = 14 \end{cases}$