

Solve.

1. $y = x^2$
 $y = 3x - 2$

2. $y - 2x - 3 = 0$
 $x^2 - y = 0$

3. $y^2 = 5 - x$
 $x + 5y = 11$

4. $y = x^2 + 1$
 $x + y = 3$

5. $x - 2y = 1$
 $x = 3y^2 + 1$

6. $y^2 = 1 - x$
 $x + 2y = 1$

7. $x - y = 4$
 $3x^2 - x + y = 8$

8. $x - 2y^2 = 0$
 $y = x - 1$

$$9. \quad \begin{aligned} 3x^2 + y^2 &= 48 \\ x^2 &= 2y^2 + 16 \end{aligned}$$

$$10. \quad \begin{aligned} y^2 + 3 &= 3x \\ 2x^2 + y^2 &= 41 \end{aligned}$$

$$11. \quad \begin{aligned} x^2 + y^2 &= 25 \\ x^2 + (y - 3)^2 &= 16 \end{aligned}$$

$$12. \quad \begin{aligned} 3y^2 + 3x^2 &= 6 \\ 4y^2 - 72x^2 - 36 &= 0 \end{aligned}$$

$$13. \quad \begin{aligned} y^2 &= 7 - (x - 1)^2 \\ x^2 + y^2 &= 4 \end{aligned}$$

$$14. \quad \begin{aligned} x^2 + y^2 &= 16 \\ x^2 - y^2 &= 16 \end{aligned}$$

$$15. \quad \begin{aligned} y^2 - 4x^2 &= 25 \\ 4x^2 + y^2 &= 25 \end{aligned}$$

$$16. \quad \begin{aligned} x^2 + y^2 &= 2 \\ 3x^2 - 4y &= 2 \end{aligned}$$

$$17. \quad \begin{aligned} x^2 + y^2 &= 25 \\ x &= y^2 - 5 \end{aligned}$$

$$18. \quad \begin{aligned} x^2 + y^2 &= 25 \\ \frac{x^2}{16} + \frac{y^2}{25} &= 1 \end{aligned}$$