

$$1. \quad 3y^3 + x^2 = 5$$

$$2. \quad y^4 - 2y = 4x^3 + x$$

$$3. \quad x^2 y + 2x^3 y = x + y$$

$$4. \quad xy^2 + x^2 y^5 - x^3 = 3$$

$$5. \quad x^3 y^5 = 1$$

$$6. \quad x^4 + y^4 = 1$$

$$7. \quad \frac{y}{x} + \frac{x}{y} = 2y$$

$$8. \quad \sqrt{x+y} = \frac{1}{x} + \frac{1}{y}$$

$$9. \quad y^{-2/3} + x^{3/2} = 1$$

$$10. \quad x^{3/2} + y^{1/3} = -5y$$

$$11. \quad y + \frac{1}{y} = x^3 + x$$

$$12. \quad \sin(xy) = x$$

$$13. \quad \sin(x+y) = x + \cos y$$

$$14. \quad \tan(x^2 y) = (x+y)^2$$