

$$1. \quad pq = 4xyz$$

$$3. \quad z (xp + yq) = 1 - z^2$$

$$5. \quad z^2 (p^2 + q^2 + 1) = 1$$

$$7. \quad py + qx = 0$$

$$9. \quad px = qy$$

$$11. \quad \frac{\partial^2 z}{\partial t^2} = c^2 \frac{\partial^2 z}{\partial x^2}$$

$$2. \quad px + qy = q^2$$

$$4. \quad z^2 - 2z (px + qy) - x^2 - y^2 = 0$$

$$6. \quad yp - xq = 0$$

$$8. \quad px - qy = x - y$$

$$10. \quad px^2 + qy = 2y^2$$

$$12. \quad 2 \frac{\partial^2 z}{\partial x \partial t} = \frac{\partial^2 z}{\partial x^2} + \frac{\partial^2 x}{\partial t^2}$$