

Conic Section: Parabola - Class XI

Related Questions with Solutions

Questions

Question: 01

If the equation $ax^2 + 4xy + y^2 + 2x + 2ay + 3 = 0$ represents a parabola, then 'a' is equal to:

- A. 1
- B. 2
- C. 4
- D. None of these

Solutions

Solution: 01

$$h^2 = ab$$
$$4 = a \cdot 1$$
$$a = 4$$

Correct Options

Answer:01

Correct Options: C