



Exercise 3B

Q1

Answer :

Using the column method:

$$\therefore a = 2$$

$$b = 3$$

| a^2 | $2ab$ | b^2 |
|--------------------------|---------------|-----------------|
| $04 + 1 = \underline{5}$ | $12 + 0 = 12$ | $\underline{9}$ |

$$\therefore 23^2 = 529$$

Q2

Answer :

Using the column method:

Here, $a = 3$ and $b = 5$

| a^2 | $2ab$ | b^2 |
|--------------------------------|--------------------------------|------------------|
| 09 +3 = $\underline{12}$ | 30 +2 = $\underline{32}$ | $\underline{25}$ |

$$\therefore 35^2 = 1225$$

Q3

Answer :

Using the column method:

Here, $a = 5$

$b = 2$

| a^2 | $2ab$ | b^2 |
|--------------------------|-------|-------|
| 25 + 2 = <u>27</u> | 20 | 4 |

$$\therefore 52^2 = 2704$$

Q4

Answer :

Using column method:

Here, $a = 9$

$b = 6$

| a^2 | $2ab$ | b^2 |
|---------------------------|----------------------------|-------|
| 81 + 11 = <u>92</u> | 108 + 3 = <u>111</u> | 36 |

$$\therefore 96^2 = 9216$$

***** END *****