Exercise 3C

Q1

**Answer :**

Using the column method:

∴ a = 2

b = 3

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

$$\therefore 23^2 = 529$$

Q2

**Answer :**

Using the column method:

Here, a = 3 and b = 5

| $a^2$ | 2ab | $b^2$ |
|---|---|---|
| 09<br>+3<br>= 12 | 30<br>+2<br>= 32 | 25 |

$$\therefore 35^2 = 1225$$

Q3

**Answer :**

Using the column method:

Here, a = 5

b = 2

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

$\therefore 52^2 = 2704$

Q4

**Answer :**

Using column method:

Here, $a = 9$

$b = 6$

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

$\therefore 96^2 = 9216$

********** END **********