*Q. 1:Find the product of the following pairs of monomials.*

(i) 4, 7$p$      (ii) – 4$p$, 7$p$   (iii) – 4$p$, 7$pq$        (iv) 4$p^3$, – 3$p$        (v) 4$p$, 0

ANSWER:    *The product will be as follows.*

(i) 4 × 7$p$ = 4 × 7 × $p$ = 28$p$

*Q. 2:Find the areas of rectangles with the following pairs of monomials as their lengths and breadths respectively.*

($p$, $q$);       (10$m$, 5$n$);         (20$x^2$, 5$y^2$);         (4$x$, 3$x^2$);         (3$mn$, 4$np$)

ANSWER:

We know that, Area of rectangle = Length × Breadth

Area of 1st rectangle = $p$ × $q$ = $pq$

*Question 3:Complete the table of products.*

| First monomial → / Second monomial ↓ | 2$x$ | – 5$y$ | 3$x^2$ | – 4$xy$ | 7$x^2y$ | – 9$x^2y^2$ |
|---|---|---|---|---|---|---|
| 2$x$ | 4$x^2$ | -10xy | 6x³ | -8x²y | 14x³y | -18x³y² |
| – 5$y$ | ... | ... | ... | ... | ... | ... |
| 3$x^2$ | ... | ... | ... | ... | ... | ... |
| – 4$xy$ | ... | ... | ... | ... | ... | ... |
| 7$x^2y$ | ... | ... | ... | ... | ... | ... |
| – 9$x^2y^2$ | ... | ... | ... | ... | ... | ... |