

HOTS QUESTION
CH-11(ALGEBRA)

1. Translate the following statement into an expression. Amount(a) is equal to the sum of principal(p) and interest(i).
2. The perimeter of an equilateral triangle(p) is three times of its side(a).
3. Convert the expression in ordinary language. Karim's monthly salary was Rs. P in the year 2007, his salary in 2008 is Rs. $2P+100$ and his salary in the year 2005 was Rs. $P/2-90$.
4. What is the sum of the areas of the square having sides s cm and the rectangle having length and breadth p cm and q cm?
5. Find the value of the expression when $x=2$. $(x-1)^2 + (2x-1)^2$
6. If $a=3$ and $b=2$ find the value of a^2+b^3+ab
7. Identify the like terms. $-2xy, 7yz, 8rt, 6yx, 24x, -9yx, 24xy$
8. Write in expanded form. $3 \times p \times y \times c \times c \times c \times t \times t \times y$
9. Write the coefficient of p in $23pqr$.
10. By how much 1 exceed $5x-4y+7$?