

SATISH CHANDRA MEMORIAL SCHOOL

STD VIII

CLASS TEST

CH: We distribute, yet things multiply

F.M: 11

1. The value of $16.1^2 - 8.9^2$ is
a) 160 b) 180 c) 170 d) 175 **(1)**
2. Which of the following is obtained by subtracting $x^2 - y^2$ from $y^2 - x^2$?
a) $-2(x^2 - y^2)$ b) 0 c) $2(x^2 + y^2)$ d) $2(x^2 - y^2)$ (1)
3. Subtract $6x^2 + 7x - 5$ from the sum of $(-2x^2 + 3x + 6)$ & $(4x^2 + 3x - 5)$
(2)
4. If $x - \frac{1}{x} = 3$, find the value of $x^2 + \frac{1}{x^2}$ **(2)**
5. Find the product by using suitable identities:
 $(a + b + 7)(a + b - 7)$ **(2)**
6. Simplify, $x^3(2x^2 - 3) - 3x^2(4x - x^3) - 7x^5$ and then find its value at $x = 1$. **(3)**