

SATISH CHANDRA MEMORIAL SCHOOL
STD VIII
CLASS TEST
POWER PLAY

F.M: 12

1. The value of $16.1^2 - 8.9^2$ is

- (a) 160 b) 180 c) 170 d) 175 **(1)**

2. The multiplicative inverse of $(-\frac{3}{7})^{-9}$ is

- (a) $(-\frac{3}{7})^9$ (b) $(\frac{3}{7})^{-9}$ (c) $(-\frac{7}{3})^{-9}$ (d) 1 **(1)**

3. By solving $(6^0 - 7^0) \times (6^0 + 7^0)$ we get _____

- (a) 1 (b) 0 (c) 2 (d) 3 **(1)**

4. Find the value of $\frac{2^{2001} + 2^{1999}}{2^{2000} - 2^{1998}}$. **(2)**

5. Find the value of m so that $(25)^m \div 5^{-3} = 5^5$ **(2)**

6. Divide 293 by 10,00,000 and express the result in standard form. **(2)**

7. Find x so that $5^x + 5^{x-1} = 750$ **(3)**