

Satish Chandra Memorial School

Class Test on Factorisation

Class-VIII

FM-15

Time-35minutes

Answer the following questions

1. Find the greatest common factor of the following monomials

$$3p^3q^2, 21p^4q^2, -18p^2q^3r \quad 1$$

2. Factorise

$$4 \times 3 = 12$$

a) $121b^2 - 88bc + 16c^2$

b) $5y^2 - 20y - 8z + 2yz$

c) $10x^2 - 9x - 7$

d) $81(3x - 4y)^2 - 121(2x + y)^2$

3. Divide 2

$$96abc(3a - 12)(5b - 30) \text{ by } 144(a - 4)(b - 6)$$