

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

2. Factorise

$$4 \times 3 = 12$$

a) $x^2 + \frac{1}{x^2} + 2 - 3x - \frac{3}{x}$

b) $(2x + 3y)^2 - 5(2x + 3y) - 14$

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

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

3. Divide 2

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