# WORKSHEET 03 MATHEMATICS CLASS 8

Example: multiply (2x+y) and (p+5q)

 Solution: (2x+y) X (p+5q)

 = 2x(p+5q) + y(p+5q)

 = 2xp+10xq + yp+5p

TRY THESE

1. Multiply following polynomials.
2. (2a-b) and (8a+b)
3. (4p+q) and (9q+3p)
4. (7x-9y) and (x+y)
5. (10r+s) and (2r+7s)

Example: multiply (5x+9y) and (3x+7y+z).

Solution: (5x+9y) X (3x+7y+z)

 = 5x(3x+7y+z) + 9y(3x+7y+z)

 = 15x²+35xy+5xz+27yx+63y²+9yz

 = 15x²+62xy+5xz+63y²+9yz

TRY THESE

1. Multiply following polynomial.
2. (2x+7y) and (5p-6q+r)
3. (a+b) and (5a+b+c)
4. (6x-y) and (10x+5y+7y)