# MODULE 4/4 MATHEMATICS CLASS 8

Example: Using the identity find (2x+9y)².

Solution: (2x+9y)²= (2x)²+ 2(2x)(9y) + (9y)²[Using the identity (a+b)²= a²+2ab+b²]

= 4x²+36xy+81y²

1. Define identity and write all the three identities you have studied in this chapter.
2. Use suitable identity to get each of the following products.
3. (2x+3y) (2x+3y)
4. (7p+9q) (7p+9q)
5. (-3a+10b) (-3a+10b)
6. (3x-5y) (3x+5y)
7. (10p-11q) (10p-11q)
8. (p-q) (p+q)
9. (5x-6y) (5x-6)