



Subject: Mathematics. Class-8

Algebraic formula and application

Subject teacher: Barkatulalam (Tipu)

**Resolve into factors:**

1)  $x^2 - 51x + 650$

2)  $x^2 + (3a + 4b)x + (2a^2 + 5ab + 3b^2)$

3)  $x^2 - x - (a + 1)(a + 2)$

4)  $x^3 - 8(x - y)^3$

5)  $ax^2 + (a^2 + 1)x + a$

6)  $15x^2 - 11xy - 12y^2$

7)  $a^3 - 3a^2b + 3ab^2 - 2b^3$

8)  $729a^3 - 64b^3$

9)  $546x^3 - 189y^3$

10)  $x^2 + y^2 - 2xy - 1$

11)  $27x^2 + 15x + 2$