

**Way Cool Algebra**  
**Predicable Patterns**

**Assign #** \_\_\_\_\_

Copy each problem and follow directions. On your paper write a Section Title for each Problem Set.

**Multiply.**

1) $(x - 12)(x + 12)$	2) $(5y + 2)(5y - 2)$
3) $(6p - 1)(6p + 1)$	4) $(-5g + 8)(5g - 8)$
5) $3(4 - z)(4 + z)$	6) $2(9n + 2)(9n - 2)$

**Multiply. ( SUM OR DIFFERENCE OF CUBES )**

7) $(x + 5)(x^2 - 5x + 25)$	8) $(k - 2)(k^2 + 2k + 4)$
9) $(2m - 3)(4m^2 + 6m + 9)$	10) $(3a + 1)(9a^2 - 3a + 1)$

**Multiply. ( BINOMIAL EXPANSION )**

11) $(x + 4)^2$	12) $(x + 4)^3$
13) $(x + 4)^4$	14) $(2x - 3)^4$