HW: Sum Numbers

1. Compute the sum of consecutive numbers indicated. The term number, n, is also the number of numbers to add. For example, for the odd numbers term 1 is 1, term 2 is 1+3, term 3 is 1+3+5 and so on.

Term Number, n	1	2	3	4	5	6	7	n
Odd Numbers								
Even Numbers								
Counting Numbers								
Cubes								

2. Look for patterns in the table and discuss ways to generalize the nth term.

3. For each degree *n* polynomial, use *n*+1 points, and determine the polynomial by solving a system of equations.

4. Determine a polynomial for the sums of squares: 1, 1+4, 1+4+9 and so on.