**Algebra I Extra Credit: Due Monday September 24th, 2012**

**Project number 4: figurate numbers**

**+5 points: Draw a picture of the 5th triangular number, 5th square number, and 5th pentagonal number.**

**+5 points: Based on the patterns in the number of dots on the side of each figure, find the 10th triangular number, 10th square number, and 10th pentagonal number.**

**+15 points: Find a formula for the nth triangular, square and pentagonal number. I will give you 5 points for each formula you find!**