

HW 37 Friday April 1

Algebra 2 Honors Math Induction Problems

Using the model from the class notes, prove by math induction:

1. $\sum_{i=1}^n 2i = n^2 + n$

2. $\sum_{i=1}^n (2i - 1) = n^2$

3. $\sum_{i=1}^n \frac{1}{i(i+1)} = \frac{n}{n+1}$