

Advanced Math

9a-4

Proof by Mathematical Induction

Steps for an induction proof.

1)

2)

3)

Prove by mathematical induction.

5) $2 + 4 + 6 + 8 + \dots + 2n = n(n + 1)$

13) $1^3 + 2^3 + 3^3 + 4^3 + \dots + n^3 = \frac{n^2(n + 1)^2}{4}$

Assignment: pg. 748 6-18 even.
