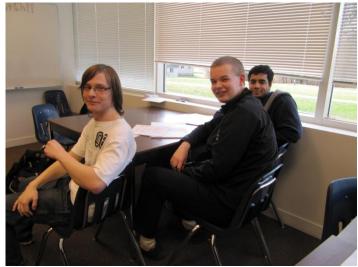
3rd Annual Math Match 2012

















3rd Annual Math Matchly $GN \leq AM$ $(12...n = (\sqrt{n})^{n} \leq \frac{1+2+...+n}{n} = \frac{n(n+1)}{2y} + (\frac{n+1}{2})^{n}$ $(12...n = (\sqrt{n})^{n} \leq \frac{1+2+...+n}{n} = \frac{n(n+1)}{2y} + (\frac{n+1}{2})^{n}$ $y = (\frac{n}{2})^{n}$ $y = (\frac{n}{2})^{n}$ $y = (\frac{n}{2})^{n}$ $y = (\frac{n}{2})^{n}$ $l \leq \left(\frac{(n+1)}{2}\right)^n$

