

Weekly Homework X

Tony Stark
Foundations of Mathematics

January 9, 2015

Theorem x.yz. Delete this text and write theorem statement here.

Proof. Blah, blah, blah. Here is an example of the `align` environment:

$$\begin{aligned} \sum_{i=1}^{k+1} i &= \left(\sum_{i=1}^k i \right) + (k+1) \\ &= \frac{k(k+1)}{2} + k+1 && \text{(by inductive hypothesis)} \\ &= \frac{k(k+1) + 2(k+1)}{2} \\ &= \frac{(k+1)(k+2)}{2} \\ &= \frac{(k+1)((k+1)+1)}{2}. \end{aligned}$$

□

Theorem x.yz. Let $n \in \mathbb{Z}$. Then yada yada.

Proof. Blah, blah, blah. I'm so smart.

□