MGF–3301
Fall 2021
28th September 2021

Florida State University

Homework 0

Sundstrom Section 0.0 # 0, -1, -2
Sundstrom Section 0.1 # $-\infty$, ∞

Violet McClure

§0.0

Question 0.

Proposition: Tacos are tasty.

Proof. Let's assume tacos are tasty. Therefore, $\exists t$ where t is a taco, and

$$\left(t^t \to \neg\frac{t}{\sqrt{t}}\right) \equiv \text{ tacos.}$$

As such we have proved that tacos are tasty. □

1. (a) I also use this
   (b) for enumerations
2. (a) because it looks
   (b) pwetty
3. (a) and yes,
   (b) they're just snippets 👀

Math

Inline Math Mode: $ax = (b^2 + b)x$
Display Math Mode:

$$ax = (b^2 + b)x$$

Multi-line Display Math:

$$\begin{aligned} ax &= (b^2 + b)x \\ &= b^2x + bx \end{aligned}$$

Align Parts (Multi-line):

$$\begin{aligned} ax &= (b^2 + b)x \\ &= b^2x + bx \end{aligned}$$

Note: the & aligns the equations.
Tables:

col 1	col 2	col 3
How	I	Make
tables	*woot*	*woot*

Useful Symbols

`$\forall x \in \mathbb{Z}$`	$\forall x \in \mathbb{Z}$
`$\exists x \in \mathbb{R}$`	$\exists x \in \mathbb{R}$
`$p \rightarrow q$`	$p \rightarrow q$
`$p \leftrightarrow q$`	$p \leftrightarrow q$
`$\phi \Rightarrow \rho$`	$\phi \Rightarrow \rho$
`$\left(x^2\right)$`	$\left(x^2\right)$
`$\neg$`	$\neg$
`$\frac{3}{4}$`	$\frac{3}{4}$
`$\sqrt{ab}$`	$\sqrt{ab}$
`$\sqrt[3]{ab}$`	$\sqrt[3]{ab}$
`$a \wedge b$`	$a \wedge b$
`$a \vee b$`	$a \vee b$