

MGF-3301
Fall 2021
28th September 2021

FLORIDA STATE UNIVERSITY



Homework 0

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

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§0.0

Question 0.

Proposition: Tacos are tasty.

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

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

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	<i>woot</i>	<i>woot</i>

Useful Symbols

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