LATEX WORKSHEET

CCNY AWM

1. Section Title

- 1.1. Subsection Title. Some plain text. Some italic text. Some bold text.
- a) The first item.
- b) The second item.
 - The first item.
 - The second item

	col1	col2
row1	cell1	cell2
row2	cell3	cell4

TODO

TODO: triangle TODO: lattice

Theorem 1.1 (Theorem Name). Theorem statement.

Proof. A Proof.

Definition (Term). Definition statement.

Here's an inline math equation: $f: X \to Y$.

$$g:X\to Y$$

$$h: X \to Y$$

$$(a + b) + (c + d) = ((a + b) + c) + d$$
$$= (a + (b + c)) + d$$
$$= a + ((b + c) + d)$$
$$= a + (b + (c + d))$$

$$||a+b|| \le ||a|| + ||b||$$

$$\begin{pmatrix} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 0 & 0 & 1 \end{pmatrix}$$

$$f(x) = \begin{cases} 1, & \text{x rational} \\ 0, & \text{x irrational} \end{cases}$$

$$det(A) = \sum_{\sigma \in S_n} \operatorname{sgn}(\sigma) \left(\prod_{i=1}^n \alpha_{i,\sigma(i)} \right)$$

TODO

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