Your informative title here

Student 1, student 2, student 3
MATH 444
Assignment 8

March 23, 2021

1   Introduction

Many definitions and notations interspersed with motivation examples and results to tantalize the reader including Theorem 3.2.

It is an odd feature of LaTeX that requires two runs to get references correct assuming you have done them correctly. Otherwise they appear as ?. The Log File may indicate errors.

2   title for section 2

I'll use resuts from [P1]

Theorem 2.1. *(Pythagoras' Theorem) Given a right angled triangle with side lengths a, b, c where c is the length of the hypotenuse (the side opposite the right angle), then*

$$a^2 + b^2 = c^2. \quad \blacksquare$$

3   title for section 3

I'll use more results

Lemma 3.1. *A bashful Theorem.* $\blacksquare$

Theorem 3.2. *[A1] Amazing Result*

Proof: much detail incuding an appeal to Lemma 3.1 and the Pythagorean Theorem from Section 2. $\blacksquare$

We like modular arithmetic. We say $10 \equiv 1 \pmod 3$.

4   title relating to picture

To insert pictures you will need the command \usepackagegraphicx. It will happily insert .jpex and .pdf and .eps files.

W.T.Tutte

References

[A1] R.P. Anstee, title of article, journal **Volume**(year), pages.

[P1] Pythagoras, papyrus scroll, 500BC.