The TeX Book

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1 Special characters

Exercise 6. Prove Fermat's Theorem. See table 1 on page 1.

1.1 Accents

Name	Exam1	Exam2	Exam3	Grade
John	19	28	33	\mathbf{C}
Jane	49	35	60	В
Jim	76	38	59	A

1.2 Braces

\mathbf{R}

Fermat's Last Theorem. For $n \geq 3$, the equation $x^n + y^n = z^n$ has no non-trivial integer solutions.

Proof. See Wiles.
$$\Box$$

The polynomial p(t) splits...

Name	Exam1	Exam2	Exam3	Grade
John	19	28	33	С
Jane	49	35	60	В
Jim	76	38	59	A

Table 1: Math 361 Grades

1.3 Dollar signs

$$\left| \sum_{i=1}^{n} ('s) a_i b_i \right| \le \left(\sum_{i=1}^{n} a_i^2 \right)^{1/2} \left(\sum_{i=1}^{n} b_i^2 \right)^{1/2}$$

2 Sectioning

123

345

- This is the first item
- This is the second item
- This is the last itme

Some special characters in TeX:[1, 13]

- 1. Accents
- 2. Braces
- 3. Dollar signs

$$\sum_{k=1}^{n} k^{2}, \frac{a}{q}, \int_{1}^{x} \frac{1}{x} dx, \sin(x), \arcsin(x), e^{2\pi i}$$
 (1)

$$(a+b)^3 = (a+b)^2(a+b)$$

$$= (a^2 + 2ab + b^2)(a+b)$$

$$= (a^3 + 2a^2b + ab^2) + (a^2b + 2ab^2 + b^3)$$

$$= a^3 + 3a^2b + 3ab^2 + b^3$$

3 Conclusion

1d23

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