1 Examples

1.1 Here's where the text of an exercise would go - notice how the title of the subsection runs into the paragraph.

Hint

The "hint" command is a convenience wrapper for a default tcolorbox with the title set to "Hint"

This "answer" environment is like the "proof" environment below, but without the preceding "Proof." text or the QED box.

Proof.

This is a "proof" environment; below is a list of command examples from homework.sty:

`\abs {x-c}`	$\longrightarrow$	$\lvert x-c\rvert$
`\absle {f(x)-f(c)}`	$\longrightarrow$	$\lvert f(x)-f(c)\rvert<\varepsilon$
`\absld {x-c}`	$\longrightarrow$	$\lvert x-c\rvert<\delta$
`\fabr`	$\longrightarrow$	$f\colon [a,b]\to\mathbb{R}$
`\func [g]{[c,d]}`	$\longrightarrow$	$g\colon [c,d]\to\mathbb{R}$
`\func {D}`	$\longrightarrow$	$f\colon D\to\mathbb{R}$
`\deltaxi`	$\longrightarrow$	Δx_i
`\deltaxi [k]`	$\longrightarrow$	$\Delta x_i[k]$
`\lowersum`	$\longrightarrow$	$L(f,P)=\sum_{i=1}^{n} m_i\Delta x_i$
`\uppersum`	$\longrightarrow$	$U(f,P)=\sum_{i=1}^{n} M_i\Delta x_i$
`\partition`	$\longrightarrow$	$P=\{x_0,x_1,\ldots,x_n\}$
`\intab f(x)dx`	$\longrightarrow$	$\int_a^b f(x)dx$

□