

# Assignment 8: Commands and Figures

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Due: 27 March 2014

## 1 New Commands

Write a set of new command which includes the following:

- A command with no arguments
- A command with at least one argument
- A command with an optional argument
- A command which includes another command inside itself

An example of the last bullet (don't use this one):

```
\newcommand{\pfrac}[2]{\left(\frac{#1}{#2}\right)}
```

Use each command at least once.

## 2 Create a Figure Command

In the preamble, create a new command called `\insertfigure` which begins the figure environment, inserts an image, optionally scales the image, and ends the figure environment. Use the new command at least once with the optional argument and at least once without the optional argument.

Uses of the command should look similar to below:

```
<-- text-->
\insertfigure{image.jpg}
\insertfigure[0.4]{image.jpg}
<-- more text -->
```

Recall that images can normally be scaled as so, with the second line showing the default setting:

```
\includegraphic[scale=0.2]{image.jpg}
\includegraphic[scale=1]{image.jpg}
```