

Lesson 9: Using Color Name: _____

This lesson teaches you a little bit about using color. The main thing is that the preamble must contain the *usepackage* statement

```
\usepackage{color}
```

1. Once you have declared the use of the *color* package it is then easy to use color. You can simply type **this is red** to type a few words in a specific color.
2. You can also define colors in the preamble as, for example

```
\definecolor{light}{cmyk}{0, 0, 0.08, 0}
```

```
\definecolor{mycyan}{cmyk}{1, 0, 0, 0}
```

```
\definecolor{mymag}{cmyk}{, 1, 0, 0}
```

```
\definecolor{myyellow}{cmyk}{0, 0, 1, 0}
```

```
\definecolor{darkmag}{rgb}{.5,0,.5}
```

```
\definecolor{light_gray}{gray}{.85}
```

```
\definecolor{dark_gray}{gray}{.5}
```

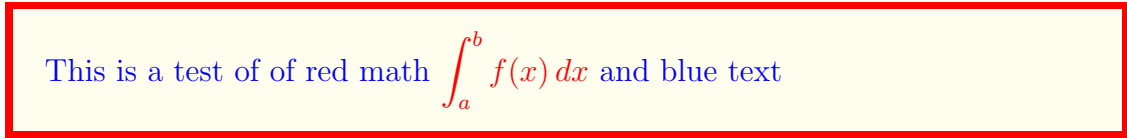
```
\def\Black{\special{color cmyk 0 0 0 1.}}
```

- (a) To turn on colors simply type, `\color{red}`, **and the text wil be in red until you change the color**. I have just changed the color back to black using `\color{black}`.
- (b) **here is the color** `\color{green}`
- (c) **here is the color** `\color{yellow}`
- (d) **here is the color** `\color{blue}`
- (e) **here is the color** `\color{darkmag}`
- (f) **here is the color** `\color{mycyan}`
- (g) **here is the color** `\color{mymag}`
- (h) **here is Large bold color** `\textbf{\Large \color{green} }`
- (i) **here is Large bold color** `\textbf{\Large \color{blue} }`
- (j) **here is Large bold color** `\textbf{\Large \color{darkmag} }`

The following syntax will build a box with red frame, a light yellow background color and blue letters inside

```
\setlength{\fboxsep}{8pt}
\setlength{\fboxrule}{2pt}

\begin{center}
{\color{blue} \fcolorbox{red}{light}{%
  \parbox{5.5in}{ \ This is a test of
  of red math  $\int_a^b f(x) dx$  and blue text
}}
\end{center}
```



PROBLEM:

Give the syntax to type Red in *red*, Green in *green*, Blue in *blue*, Yellow in *yellow* inside the framed box defined above.

