TikZ commends tutorial

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The TikZ commands can be inside the environment \begin{tikzpicture} ... \end{tikzpicture} or simply use \tikz clause. We run pdflatex or latex followed by dvips to execute the TikZ commends.

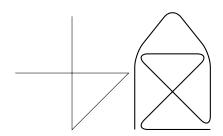
1 Preliminary

1.1 Straight Path Construction

```
Useage:
```

```
\text{draw}[\text{options}] (x1,y1) -- (x2,y2) -- (x3,y3);
```

Example:



1.2 Circle Path Construction

```
Usage:
```

```
\draw[options] (x,y) circle (raidus) \draw[options] (x,y) ellipse (raidus1 and radius2)
```

Example:

```
\draw (0,0) circle (2pt);
\draw[red] (1,0) circle (3pt);
\draw[fill=red] (2,0) circle (4pt);
\draw[red,fill=red] (3,0) circle (5pt);
\filldraw[blue,rotate=30] (3.5,-2) ellipse (10pt and 5pt);
```

