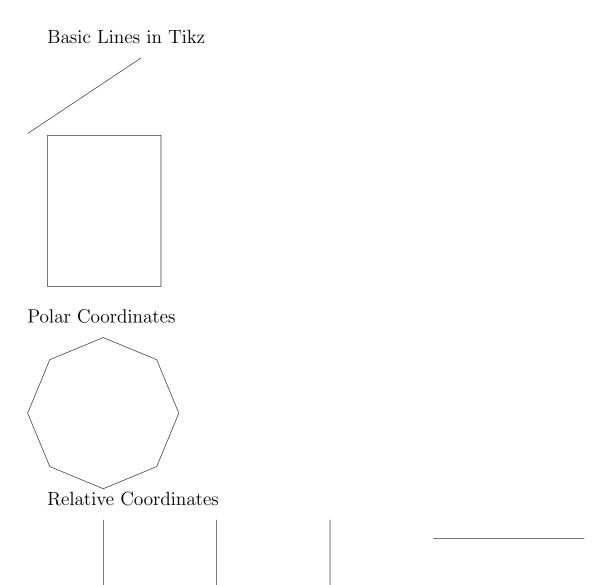
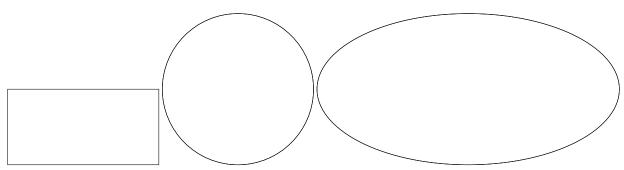
Learning LaTeX - Day8 YL-TING August 1, 2021

Tikz

There is a red dot • in the middle of this sentence.



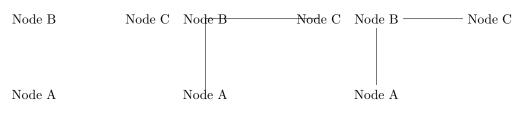
Shapes

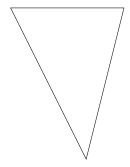


Drawing Circular and Elliptical Arcs



Nodes

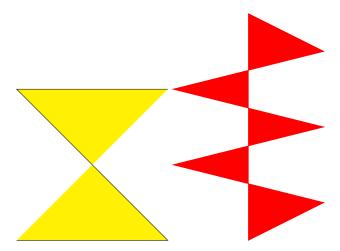




Node Positioning

node[above left]	node[above]	node[above right]
node[anchor=south east]	node[anchor=south]	node[anchor=south west]
Node	Node	Node
node[left] node[anchor=east]	node[anchor=center]	node[right] node[anchor=west]
Node	Node	•Node
node[below left]	node[below]	node[below right]
<pre>node[anchor=north east]</pre>	node[anchor=north]	node[anchor=north west]
$oxed{ ext{Node}}$	Node	Node

Filling Shapes



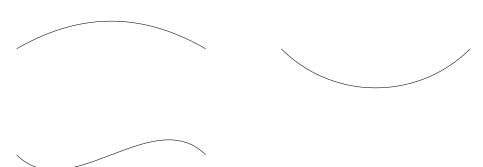
Line Styles in TikZ

Arrow Tips in TikZ
←
\
*
♦
Adjust the Corners

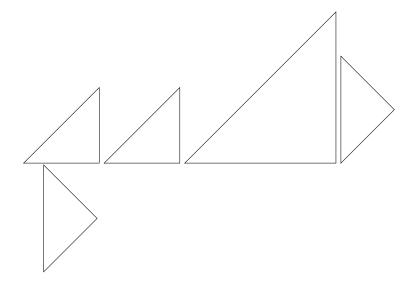
Orthogonal Pathways



Alternate Paths Between Points



Transformations





Node Border

Node



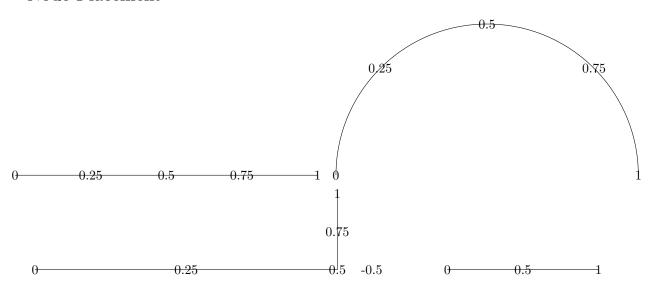
Node



Node

Node

Node Placement



1.5

Math in Nodes

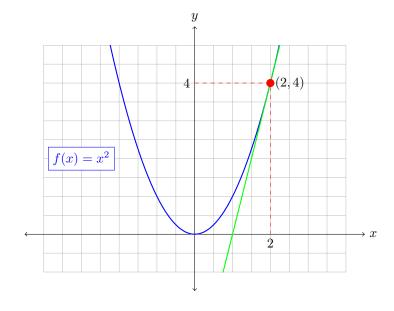
$$\sum_{n=1}^{\infty} \frac{1}{n^2} = \frac{\pi^2}{6}$$

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Setting the Nodes Text Width

$$\sum_{n=1}^{\infty} \frac{1}{n^2} = \frac{\pi^2}{6}$$

Drawing a Graph

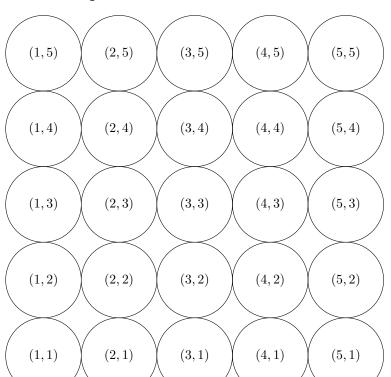


This annotation is clinned

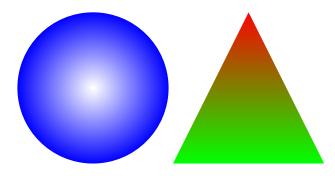
More Graphs



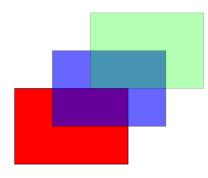
For Loops



Fancy Shading



Opacity



Going Further in TikZ

The TikZ manual is very large! http://www.texample.net/tikz/examples/