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## 1 Code Snippet Example

```
type Figure struct {
    Target string
    Path    string      'json:path'
    Caption string      'json:caption'
    Label   string      'json:label'
    Options string      'json:options'
    Place   string      'json:place'
    Suffix  map[string]string
}

const latexTemplate = `
\begin{figure}[{{.Place}}]
\centering
\includegraphics[{{.Options}}]{%
    {{"{{.Path}}.{{index .Suffix .Target}}"}}}
\caption{{"{{.Caption}}"}}
\label{{"fig:"}}{{.Label}}}
\end{figure}
`
```

## 2 amsthm Example

### 2.1 Circle

**Definition 2.1** (Plane). In mathematics, a plane is a flat, two-dimensional surface that extends infinitely far.

**Definition 2.2** (Circle). A circle is a shape consisting of all points in a plane that are a given distance from a given point, the centre; equivalently it is the curve traced out by a point that moves in a plane so that its distance from a given point is constant.

### 2.2 Chord and tangent line

**Definition 2.3** (Chord). A line segment whose endpoints lie on the circle, thus dividing a circle in two segments.

**Definition 2.4** (Tangent line). A tangent line to a circle is a line that touches the circle at exactly one point, never entering the circle's interior.

### 3 Figure Example

#### 3.1 Tangent Line

See Figure 1, We have a theorem about tangent line to a circle:

**Theorem 3.1** (Tangent line to a circle). A line is tangent to a circle, if and only if the line is perpendicular to the radius drawn to the point of tangency.

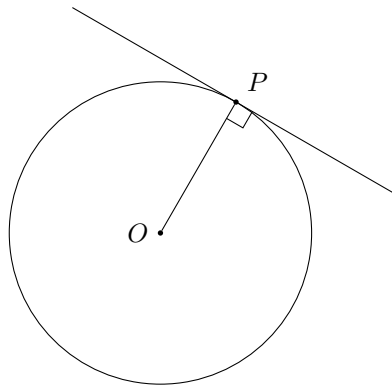


Figure 1: Tangent line to a circle

#### 3.2 Inscribed angle and central angle

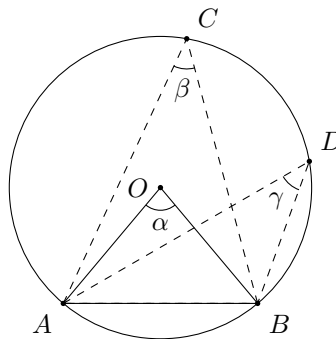


Figure 2: Inscribed Angle and Central Angle

### 3.3 AMC8

With the code block below:

```
““{.figure}  
{  
  "path"    : "Figures/t4q25",  
  "caption"  : "Test4 Q25",  
  "label"    : "t4q25",  
  "options"  : "width=0.67\\textwidth",  
  "place"    : "ht"  
}  
““
```

You get Figure 3:

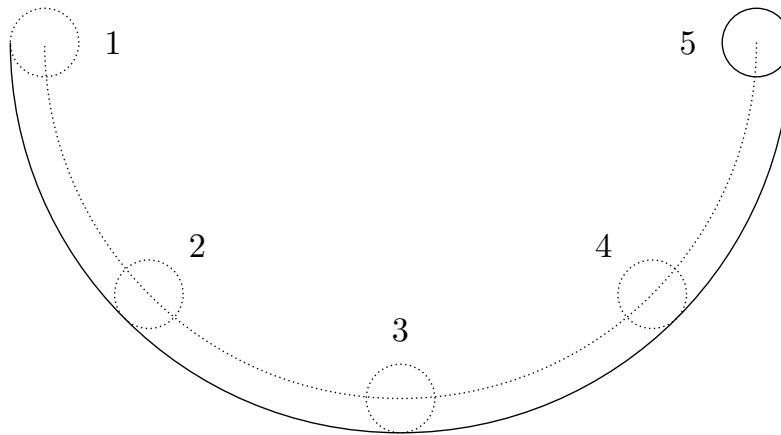


Figure 3: Test4 Q25