

# Contracts for Image-Producing Functions

Contracts tell us how to use a function. For example: `ellipse :: (Number, Number, String, String) -> Image` tells us that the name of the function is `ellipse`, it takes four inputs (two Numbers and two Strings), and it evaluates to an Image. From the Contract, we know `ellipse(50, 100, "solid", "teal")` will evaluate to an Image.

Name	Domain	Range
<code># triangle</code>	<code>:: Number, String, String</code>	<code>-&gt; Image</code>
<code>triangle(80, "solid", "darkgreen")</code>		
<code># star</code>	<code>::</code>	<code>-&gt;</code>
<code># circle</code>	<code>::</code>	<code>-&gt;</code>
<code># square</code>	<code>::</code>	<code>-&gt;</code>
<code># rectangle</code>	<code>::</code>	<code>-&gt;</code>
<code># rhombus</code>	<code>::</code>	<code>-&gt;</code>
<code># ellipse</code>	<code>::</code>	<code>-&gt;</code>
<code># text</code>	<code>::</code>	<code>-&gt;</code>
<code># regular-polygon</code>	<code>::</code>	<code>-&gt;</code>
<code># right-triangle</code>	<code>::</code>	<code>-&gt;</code>
<code># isosceles-triangle</code>	<code>::</code>	<code>-&gt;</code>
<code># radial-star</code>	<code>::</code>	<code>-&gt;</code>
<code># star-polygon</code>	<code>::</code>	<code>-&gt;</code>
<code># triangle-sas</code>	<code>::</code>	<code>-&gt;</code>
<code># triangle-asa</code>	<code>::</code>	<code>-&gt;</code>