

Bug Hunting: Pyret Edition

Each piece of code below contains a bug (won't compile), a style problem (code runs, but is written badly) or both. Can you find them all?

#1	<pre>(rectangle 40, 30, "solid", "red") (circle 200, "outline", "green")</pre>	<p>Parentheses in the wrong place:</p> <pre>rectangle(40, 30, "solid", "red") circle(200, "outline", "green")</pre>
#2	<pre>image-width(circle)</pre>	<p>image-width must consume an image, not the name of a function</p> <pre>image-width(circle(200, "outline", "green"))</pre>
#3	<pre># square-num : Number -> Number # Square a given number by # multiplying it by itself examples: square-num(5) is 25 square-num(17) is 289 end</pre>	<p>Examples do not show work:</p> <pre>examples: square-num(5) is 5 * 5 square-num(17) is 17 * 17 end</pre>
#4	<pre>fun square-num(n): (* n, n) end</pre>	<p>Multiplication function must go in between inputs:</p> <pre>fun square-num(n): (n * n) end</pre>
#5	<pre>put-image(star(80, "solid", "purple"), square(120, "solid", "green"))</pre>	<p>put-image must consume two numbers for x and y location:</p> <pre>put-image(star(80, "solid", "purple"), 240, 38 square(120, "solid", "green"))</pre>