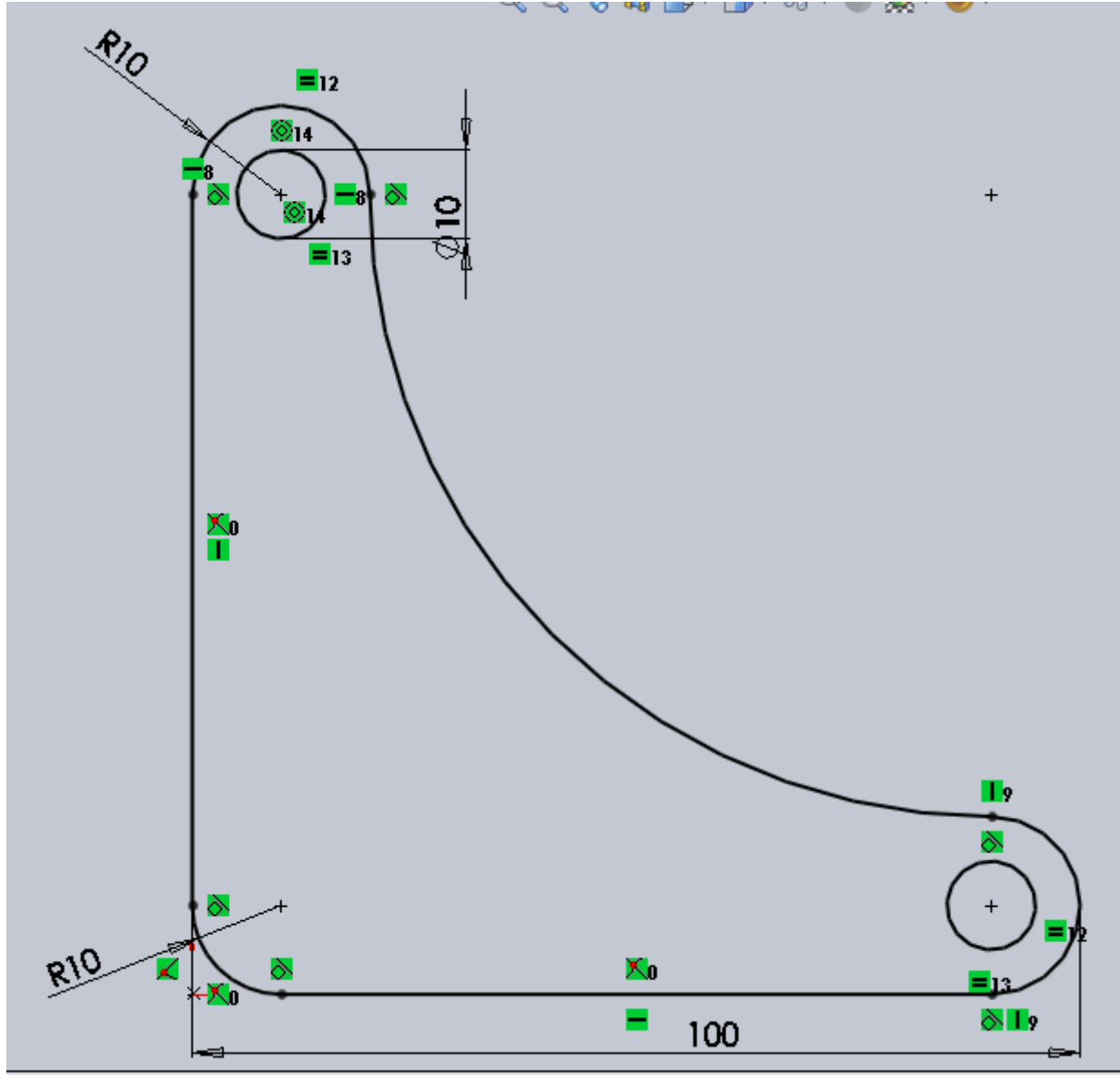# Homework 4

* NOTE: UNITS ARE MILLIMETERS.
* The origin lies at the point where the two lines originally intersected, before they were filleted.
* The center-point of the large arc (which is located at the top right of the screen shot) lines up vertically with VERTICAL CONSTRAINT 9 and horizontally with HORIZONTAL CONSTRAINT 8 in this picture. (This automatically happens if you add the tangent constraints shown).
* The picture is symmetric about the y = x axis (aka a line at a 45° angle with the x and y axis). If you feel comfortable enough, you can do this workshop by mirroring about that line, but it is not required.
*The length of 100 mm goes from the left edge to the edge of the arc (as we showed how to do in class today).