**CSCI 2150L**

**Lab Assignment 2:**

**Assigned: 2/9/2015, Monday**

**Due: 2/16/2015, Monday**

**Spring 2015**

Plot an external common tangent line to 2 circles such that their centers lie on a line parallel to the X- axis.

Radius for circle 1 is 3 and for Circle 2 is 2.

Plot this common tangent line

(1, 3)

(6, 3)

* Plot both the circles and the common tangent line.
* Label the graph appropriately.
* Using the center co-ordinates and the radii of the 2 circles, you can calculate the intersection point of the two circles such that the Tangent should pass through that point.
* I expect everyone to submit a working and well commented program. Name your function and file as Circle\_Tangent([Paramters if any]).
* Mention your Name inside your .m file under comments.
* Please upload only the MATLAB file in the dropbox in the folder named Assignment 2.
* I also expect everyone to do this assignment individually. **Strict action shall be taken if found that the assignment has been copied.**