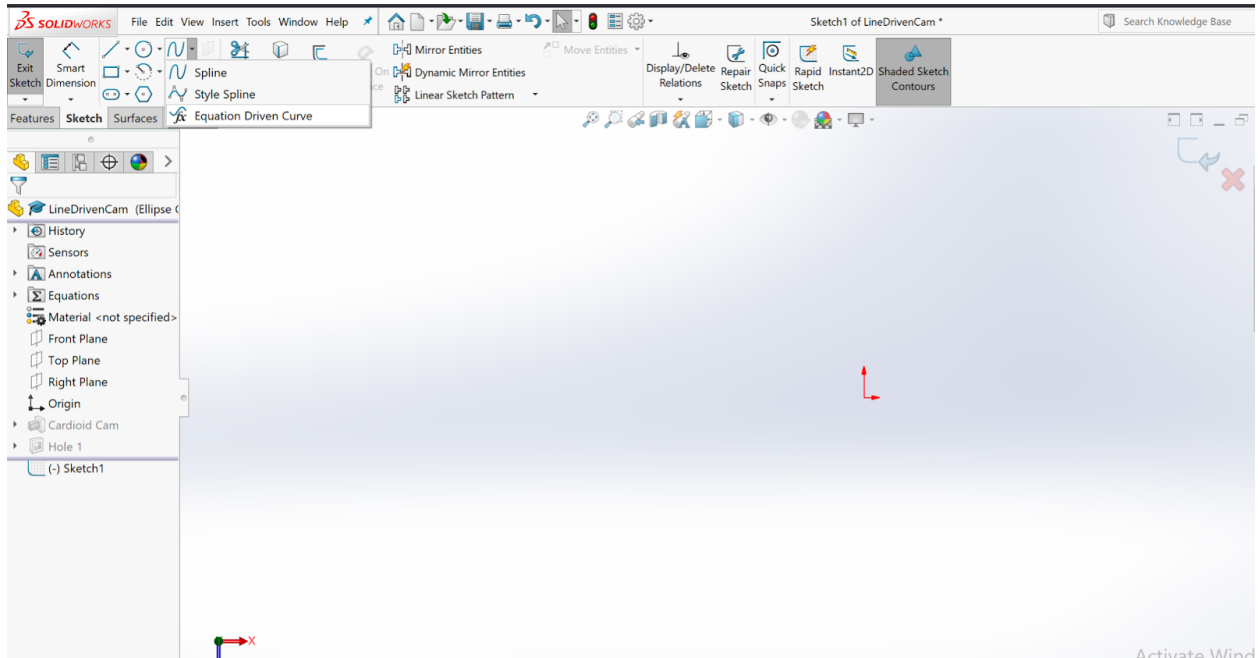


Creating Equation-Driven Curves:

One way to create unique cams is to create an equation-driven curve using parametric equations. To do this you first create a new sketch and then navigate to spline -> equation driven curve.



After choosing the parametric option you can input equations for x and y in terms of t and then set a range of values for t. SolidWorks cannot create closed curves so I created half of the curve and then used the mirror tool to create the full shape. Below are examples of a cardioid and an ellipse shape.



