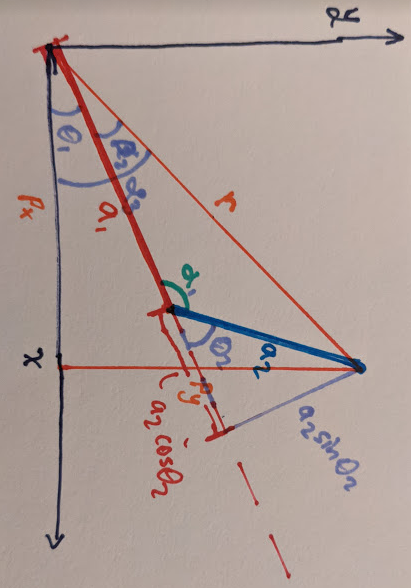
**Figures:**

**Appendix A: Deriving Inverse Relationship**

Utilizing the figure below, I will derive the inverse relationship using the geometric approach.



Noting a couple of relationships here:

Develop an expression for :

Utilizing some more defined geometry, may be referenced in terms of these other relationships:

This leaves us with the ability to uses either the elbow up or down orientations, which when re-deriving above gives us the final relationships of: