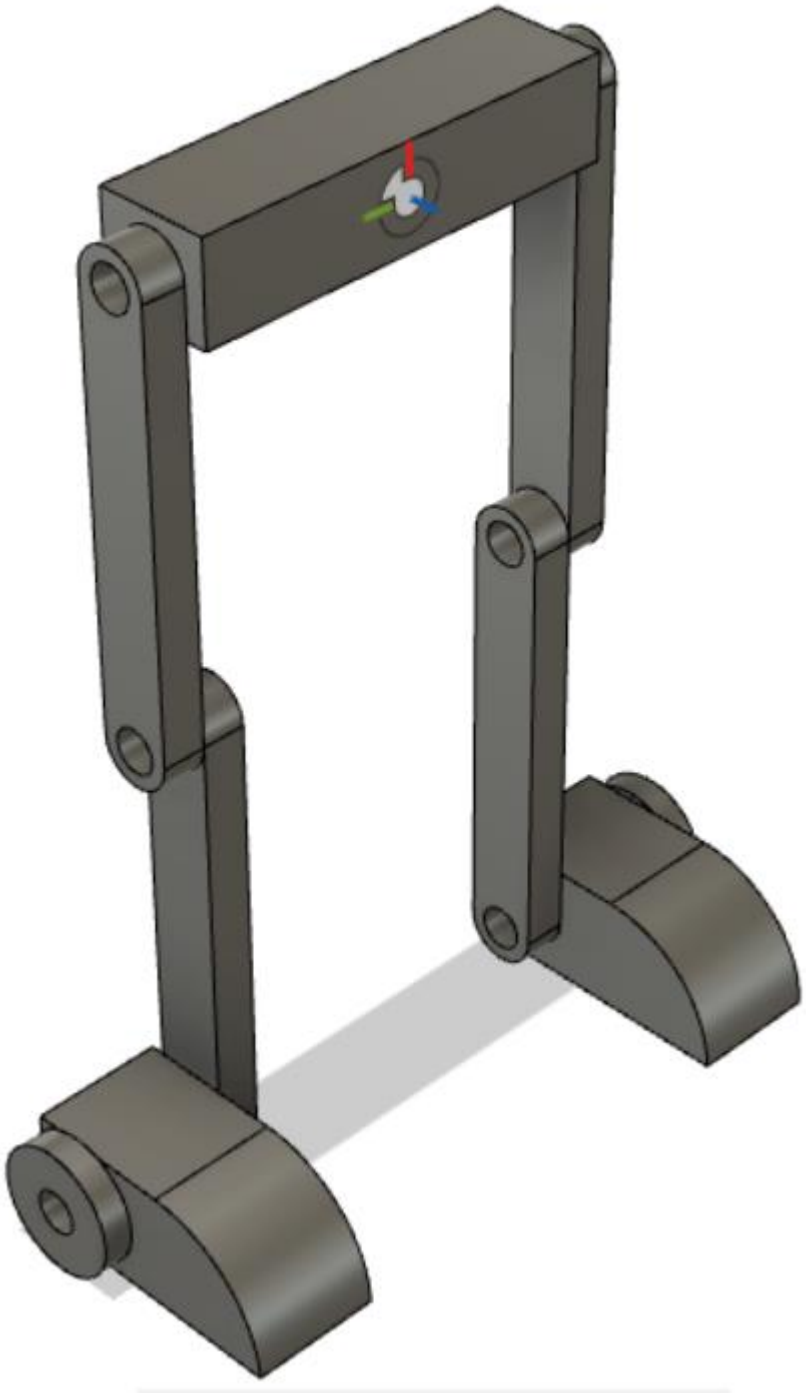
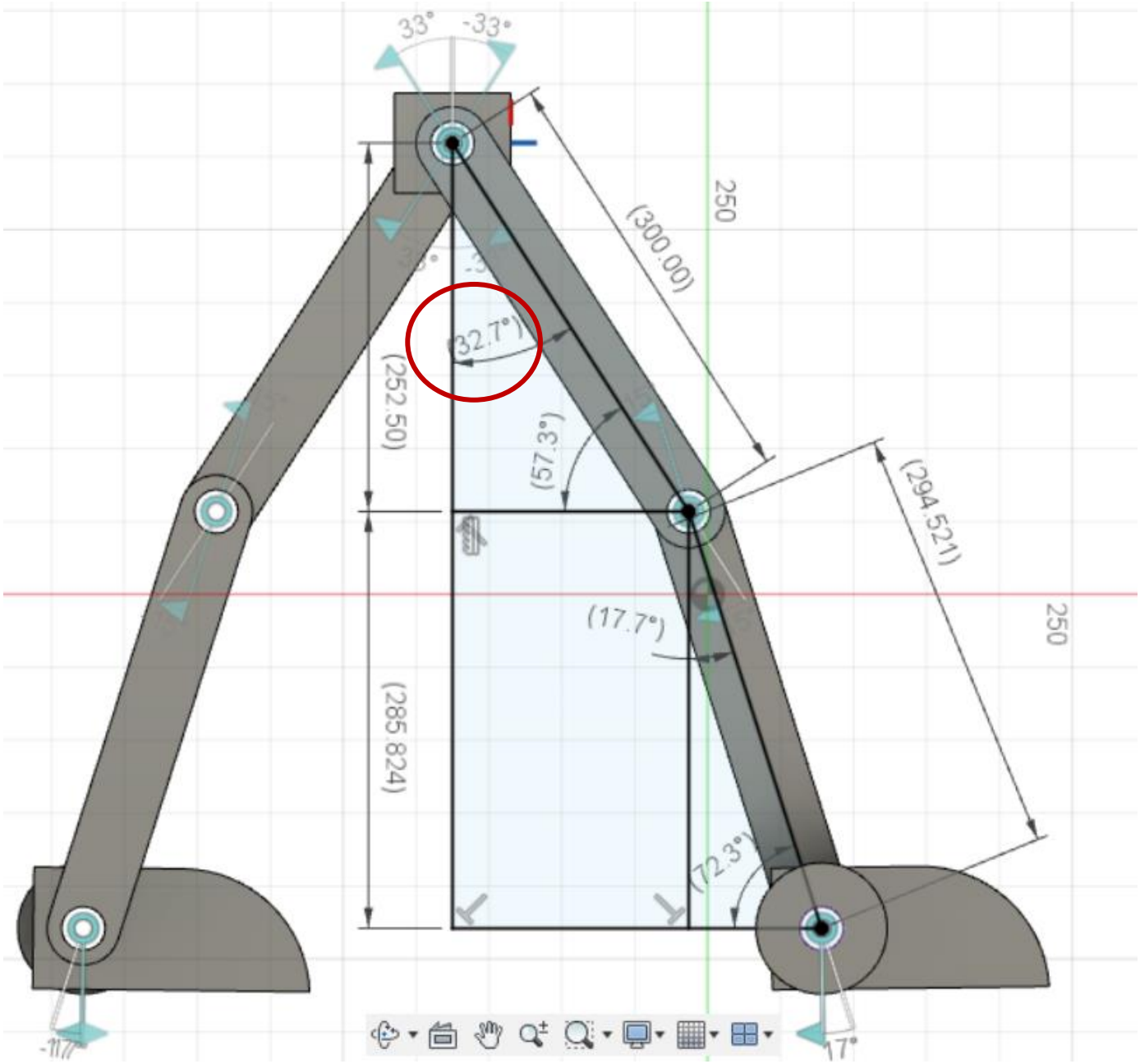
Sketch Design for Robot Legs

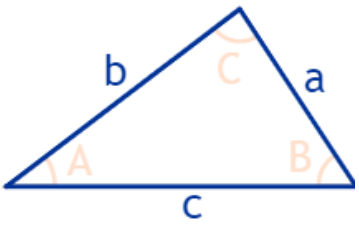


Front View

Calculate The Required Angle



Side View



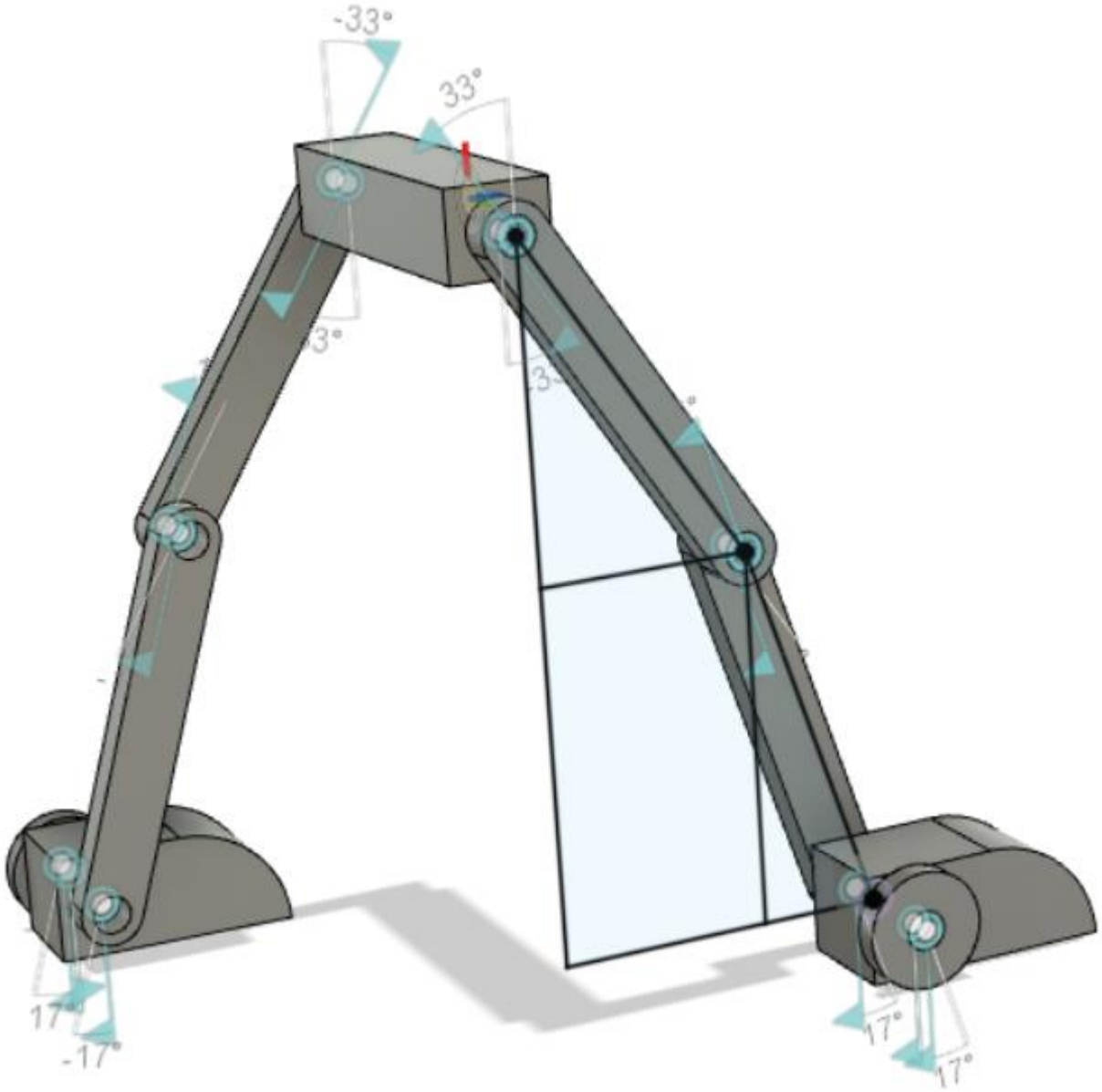
$$\cos(A) = \frac{b^2 + c^2 - a^2}{2bc}$$

$$cos(A) = \frac{(252.5)^2 + (300)^2 - (162)^2}{2(252.5)(300)}$$

$$A = cos^{-1}(0.84166501)$$

$$A = 32.68$$

The Angle Measure = 32.7°



Back View