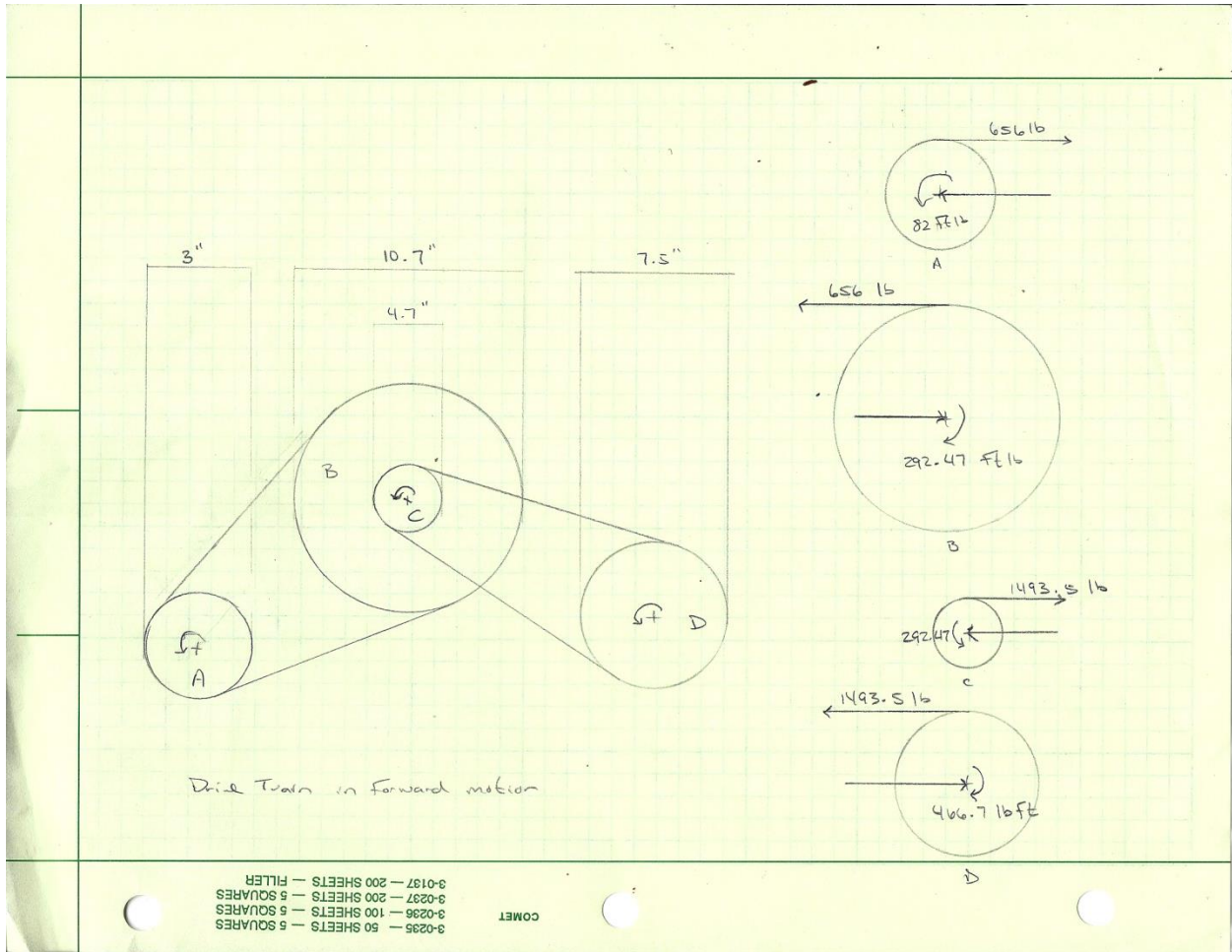


Torque Math Model:



This model helped us determine the output torque at the front driveshaft. This torque was needed to be able to continue the design of the drive shafts and sprocket/chain sizes needed for the rest of the chain drive. It also helps us calculate the torque that the snowmobile should theoretically be putting to the ground (ideal conditions).

Front Drive Shaft Output Torque: 1493.5 lb*ft