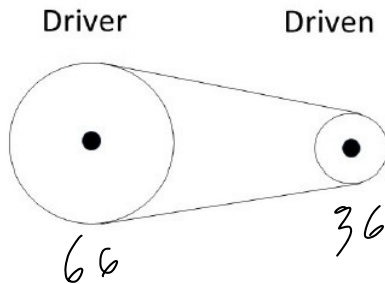


Name: Jai Padhye

For the system of sprockets pictured, when driver sprocket = 66 cm, driven sprocket = 36 cm, and the output torque is 112 N-m, what is the input torque (precision of 0.01)?

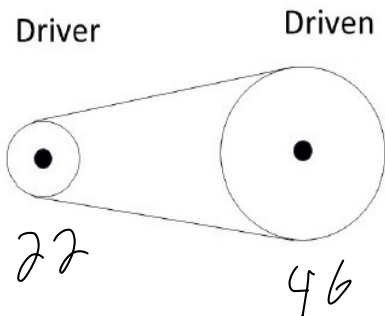


$$\frac{36}{66} = 0.54$$

$$112 = 0.54x$$

$$x = 207.41$$

For the system of sprockets pictured, when driver sprocket = 22 cm, driven sprocket = 46 cm, and the output torque is 96 N-m, what is the input torque (precision of 0.01)?



$$\frac{46}{22} = 2.09$$

$$96 = 2.09x$$

$$x = 4.59$$

Write ONLY answers below this line \_\_\_\_\_

SPRSet19

a: 207.41

b: 4.59