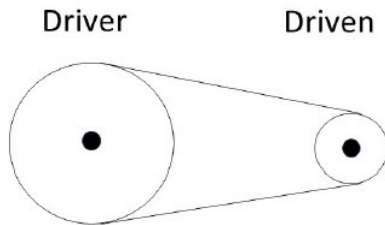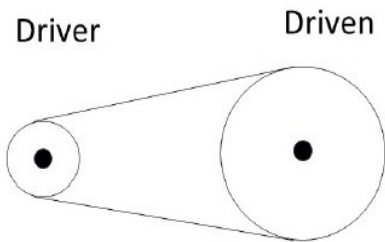Name:_____

For the system of sprockets pictured, when driver sprocket = 68 cm, driven sprocket = 20 cm, and

the output torque is 90 N-m, what is the input torque (precision of 0.01)?

Driver   Driven

$$\frac{90}{306} = \frac{20}{68}$$

For the system of sprockets pictured, when driver sprocket = 30 cm, driven sprocket = 70 cm, and

the output torque is 80 N-m, what is the input torque (precision of 0.01)?

Driver   Driven

$$\frac{70}{30} = \frac{80}{34.29}$$

Write ONLY answers below this line _____

SPRSet16

a:_____306_____

b:_____34.29_____