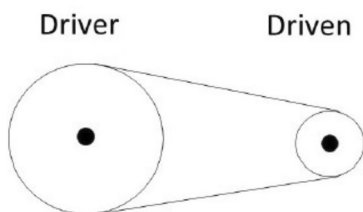


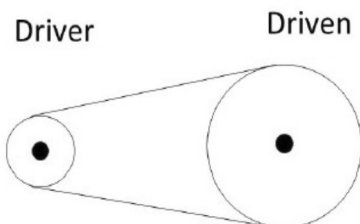
Name: Adm Shih

For the system of sprockets pictured, when driver sprocket = 56 cm, driven sprocket = 20 cm, and the output torque is 68 N-m, what is the input torque (precision of 0.01)?



$$\frac{20}{56} = \frac{68}{x}$$
$$x = 190.4$$

For the system of sprockets pictured, when driver sprocket = 18 cm, driven sprocket = 60 cm, and the output torque is 66 N-m, what is the input torque (precision of 0.01)?



$$\frac{60}{18} = \frac{66}{x}$$
$$x = 20.4$$

Write ONLY answers below this line _____

SPRSet23

a: 190.4

b: 20.4