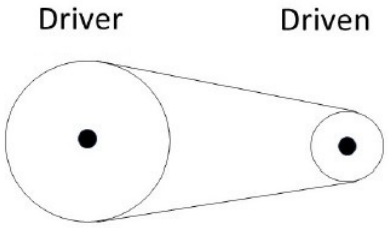
Name:_____

For the system of sprockets pictured, when driver sprocket = 84 cm, driven sprocket = 20 cm, and the input speed is 82 rpm, what is the output speed (precision of 0.01)?

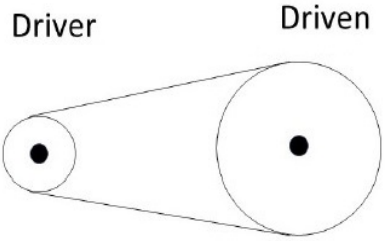


$\text{speed} = \frac{in}{out}$

$t \; \frac{in}{out}$

$\frac{20}{84} = \frac{82}{344.4}$

For the system of sprockets pictured, when driver sprocket = 32 cm, driven sprocket = 78 cm, and the input speed is 90 rpm, what is the output speed (precision of 0.01)?



$\frac{78}{32} = \frac{90}{37.4}$

Write ONLY answers below this line _____

SPRSet56

a:_344.4_____

b:_37.4_____