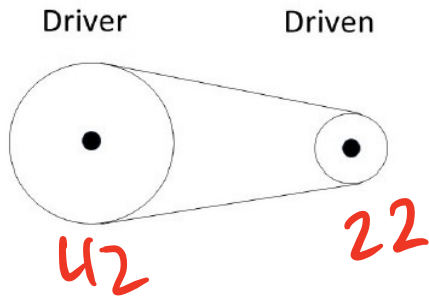


Name: _____

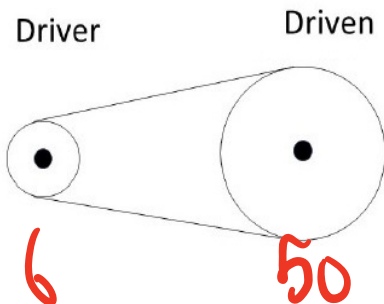
For the system of sprockets pictured, when driver sprocket = 42 cm, driven sprocket = 22 cm, and the input speed is 84 rpm, what is the output speed (precision of 0.01)?



$$\frac{22}{42} = \frac{x}{84}$$

$$x = 44$$

For the system of sprockets pictured, when driver sprocket = 6 cm, driven sprocket = 50 cm, and the input speed is 66 rpm, what is the output speed (precision of 0.01)?



$$\frac{50}{6} = \frac{x}{66}$$

$$x = 550$$

Write ONLY answers below this line _____

SPRSet58

a: 44

b: 550