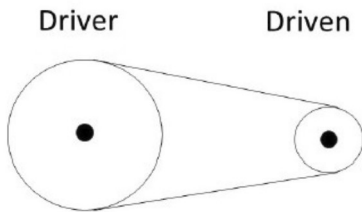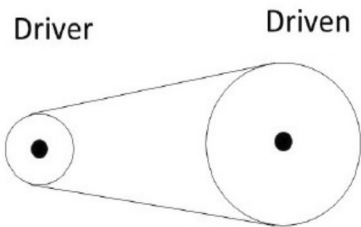Name:_____

For the system of sprockets pictured, when driver sprocket = 88 cm, driven sprocket = 22 cm, and

the input speed is 68 rpm, what is the output speed (precision of 0.01)?

Driver   Driven

$$\frac{22}{88} = \frac{68}{x}$$

$$x = 272$$

For the system of sprockets pictured, when driver sprocket = 24 cm, driven sprocket = 64 cm, and

the input speed is 46 rpm, what is the output speed (precision of 0.01)?

Driver   Driven

$$\frac{64}{24} = \frac{46}{x}$$

$$x = 17.8$$

Write ONLY answers below this line _____