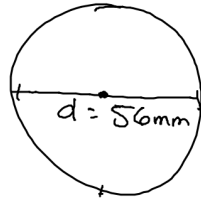


$$C = 2\pi r \quad \text{radius} \quad \pi = 3.14159$$

$$= \pi d \quad \text{diameter}$$



1 rotation

$$56 \times 3.14159 = \boxed{175.93 \text{ mm}}$$

176

42 45 mm 50 mm ~~40 mm~~ ~~40 mm~~

mm = 500 mm

~~25~~ rot. x C = 46 mm

~~25~~ .25

800 mm

500

175.93 C wheel

2.842

Rotations = $\frac{\text{distance}}{C}$

duration $\boxed{2.842}$

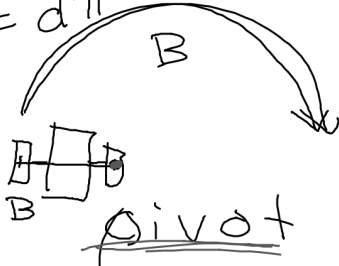
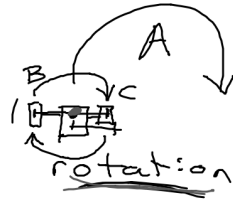
x 360

rotations

degrees

$$C = 2\pi r$$

$$C = d\pi$$



w.B. wheel = dia. Base

w.B. = radius
 $C = 2 \times 3.14159 \times 168 =$

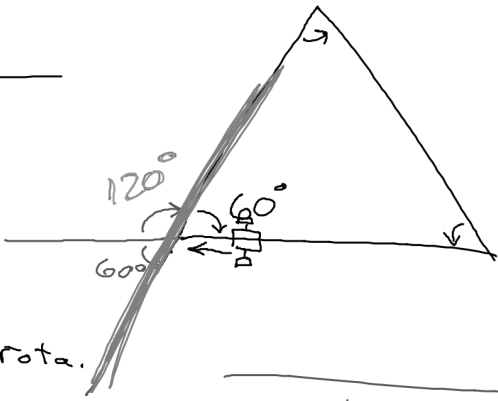
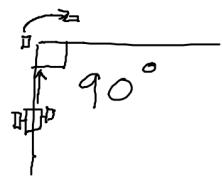
$$C = 168 \text{ mm} \times 3.14159$$

$$= 527.8 \text{ mm}$$

$$= 1055.6 \text{ mm}$$

$$\frac{\text{distance}}{C} = \text{rotations (5)}$$

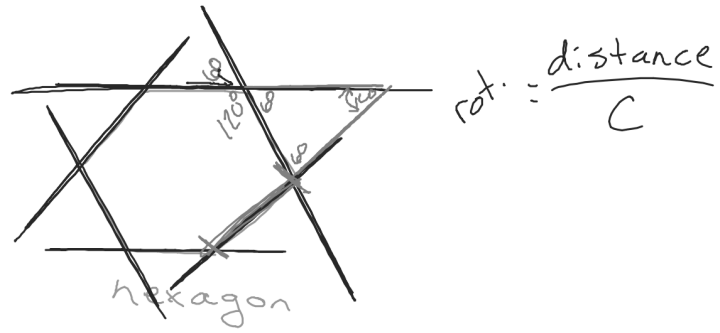
(6)



$$M/W = 0.75 \text{ rota.}$$

180°

$$M/W = 1 \frac{360}{120} = 3$$



Robot

dia. =

w.B. =

specific distance

turn specific amount

