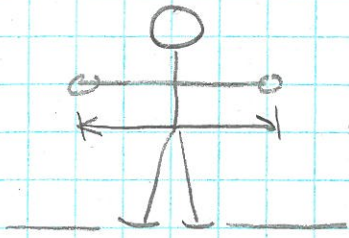


$$\omega = 180 \text{ rpm}$$

$$\frac{WB/2-1}{1}$$



$$d = 140 \text{ cm} = 1.4 \text{ m}$$
$$r = 0.7 \text{ m}$$

$$\omega = 180 \text{ rpm} = 180 \frac{\text{rev}}{\text{min}} \left(\frac{2\pi \text{ rad}}{1 \text{ rev}} \right) \left(\frac{1 \text{ min}}{60 \text{ s}} \right)$$
$$= 18.85 \text{ rad/s}$$

for hands:

$$v = v_t = r\omega = \underline{13.19 \text{ m/s}}$$