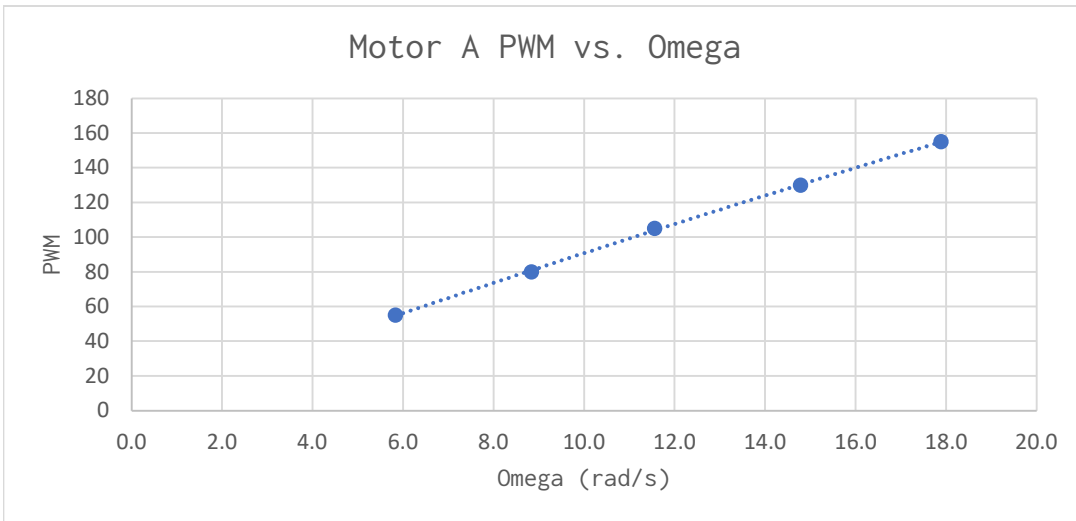


Homework #5 Problem 1, due 11/25/19.

Motor A Battery						
PWM	# Turns (1)	# Turns (2)	# Turns (3)	Avg. Turns	Omega (rad/s)	
55	9.4	9.25	9.2	9.3	5.8	
80	14.1	14.1	14	14.1	8.8	
105	18.4	18.4	18.4	18.4	11.6	
130	23.5	23.6	23.5	23.5	14.8	
155	28.5	28.4	28.5	28.5	17.9	



Equation of fit line:

$$y = -0.045x^2 + 9.379x + 1.547$$