Handout Math 48C Mitchell Schoenbrun

Angular Velocity



The motor cylinder is 1 meter in diameter. The motor can move the elevator up at 8 RPM or down at 18 RPM

What are the up and down speeds of the elevator?

Problem 2)



A toy Airplane flies at 4meters/second. It is held by a string that is 5 meters in length. What is it's angular velocity in radians/sec and RPM?

Graphing Sine and Cosine Functions

Graph the following functions by hand, then check your answers on your calculator.





5) An Even function is a function where  $f(-\theta) = f(\theta)$ An Odd function is a function where  $f(-\theta) = -f(\theta)$ 

Explain whether sine and cosine are even or odd functions.

Do all functions have to be even or odd?