

What You Should Know!

- 1.) What is one way in which the exponential “e” is useful in modeling our world?
- 2.) Why are complex numbers useful. That is, what general problem did their invention fix?
- 3.) In the complex plane, what is graphed along the x-axis? Along the y-axis?
- 4.) What is a Taylor expansion? (You don't need to know how to use it, just know what it does for you.)
- 5.) According to their Taylor expansions, $\cos(\omega t) + i\sin(\omega t)$ is equal to what?