Unit 6 CAN YOU:

* Simplify complex numbers in complex form (HW pg.150)
* Convert from complex to polar form
* Plot a complex number and identify the quadrant
* Find “r”
* Find $θ$ using your trig ratios.
* Write in Polar Form.
* Convert from polar to complex form.
* Multiply numbers in polar form. Be able to convert back to complex.
* Divide numbers in polar form. Be able to convert back to complex.
* Raise a complex # to a given power using De Moivre’s Theorem.
* Find the n, nth roots of a complex #.

\*\*\*\*Study and memorize all exact values for Sin, Cos, and Tan.

\*\*\*\*Know how to find angles within the restricted domain for your inverse trig functions.

\*\*\*\*Know how to find a coterminal angle if$ θ$ is not within [0, 2$π$)