Teacher's Guide

LECTURE	TOPIC	ORDER OF PRESENTATION
/01	Polar Form of Complex Numbers	1. Discuss the brief history of complex numbers to motivate the students 2. Discuss converting complex numbers from rectangular form to polar form. You may use the electronic module as reference and source of examples. 3. Get and print a set of exercises in the electronic module for their seatwork. 4. Discuss the answers for the seatwork. 5. Have them visit the site where the electronic module is located for further practice exercises.
/02	Operations of Complex Numbers in Polar Form	1. Discuss the derivation of the different operations on complex numbers in polar form. 2. Get and print a set of exercises in the electronic module for their seatwork. 3. Discuss the answers for the seatwork. 4. Have them visit the site where the electronic module is located for further practice exercises.
/03	De Moivre's Theorem	1. Discuss the how the De Moivre's Theorem follows directly from the multiplication of complex numbers in polar form. 2. Get and print a set of exercises in the electronic module for their seatwork. 3. Discuss the answers for the seatwork. 4. Have them visit the site where the electronic module is located for further practice exercises.
/04	Nth Roots of a Complex Number	1. Discuss the how the Nth Root Theorem follows directly from the De Moivre's Theorem. 2. Get and print a set of exercises in the electronic module for their seatwork. 3. Discuss the answers for the seatwork. 4. Have them visit the site where the electronic module is located for further practice exercises.
Summative Test		Get a set of exercises on each topic from the electronic module to form a summative test.

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