

# **Quantum Computing and Cryptography - 02: Properties of Complex Numbers**

NANOMODULE

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### **Apply and Analyze**

Students will be able to calculate the modulus and conjugate of complex numbers.

### **Remember and Understand**

Students will be able to express complex numbers as ordered pairs.

### **Apply and Analyze**

Students will be able to analyze some of the basic properties of complex numbers and operations on them.

### **Evaluate and Synthesize**

Students will be able to prove basic properties of modulus and conjugate operations.

### **Evaluate and Synthesize**

Students will be able to implement programs to divide two complex numbers, compute the modulus and conjugate.