

**Assignment #12: Modal Interpretations and Quantum Logic.**

1. (2pt.) What is the Problem of Imperfect Measurements for the KHD Modal Interpretation?
2. (2pt.) In your own words, explain why it is a matter of quantum logic that the statement "Any property always has a definite value" is true. How does this address the Measurement Problem?
3. (3pt.) If, according to quantum logic, any property always has a definite value, then how are we to interpret the probabilities that appear in quantum mechanics? Explain your answer.
4. (3pt.) How can the quantum logic interpretation of quantum mechanics get around the Kochen-Specker Theorem?