

## Mathematics – Transition Mathematics for Seniors

<p><b>Number and Quantity:</b> The Real Number System The Complex Number System</p>	<p><b>Algebra:</b> Seeing Structure in Expressions Arithmetic with Polynomials and Rational Expressions Creating Equations Reasoning with Equations and Inequalities</p>
<ul style="list-style-type: none"> <li>Develop an understanding of basic operations, equivalent representations, and properties of the real and complex number systems.</li> </ul>	<ul style="list-style-type: none"> <li>Create equations or inequalities that model physical situations.</li> <li>Solve systems of equations, with an emphasis on efficiency of solution as well as reasonableness of answers, given physical limitations.</li> </ul>
<p><b>Functions:</b> Interpreting Functions Building Functions</p>	<p><b>Geometry:</b> Geometric Measuring and Dimension Expressing Geometric Properties with Equations Modeling with Geometry</p>
<ul style="list-style-type: none"> <li>Develop knowledge and understanding of the concept of functions as they use, analyze, represent and interpret functions and their applications.</li> </ul>	<ul style="list-style-type: none"> <li>Use coordinates and to prove geometric properties algebraically.</li> </ul>
<p><b>Statistics and Probability:</b> Interpreting Categorical and Quantitative Data Making Inferences and Justifying Conclusions</p>	
<ul style="list-style-type: none"> <li>Make inferences and justify conclusions from sample surveys, experiments, and observational studies.</li> </ul>	