TOPICS ON THE 2014 FINAL EXAM:

*Honors Precalculus*

**Conic Sections (Ch. 11)**

Circles, Parabolas, Ellipses, Hyperbolas

**Trigonometric Functions: A Right Triangle Approach (Ch. 6)**

Right Triangle Trig, Law of Sines, Law of Cosines

**Trigonometric Functions: A Unit Circle Approach (Ch. 5)**

Graphing Trig Functions, etc.

**Analytic Trigonometry (Ch. 7)**

Verifying Identities, Solving Trig Functions, etc.

**Polar Coordinates and the Complex Plane (Ch. 8)**

Converting between polar and rectangular, graphing polar functions, Complex Plane, Polar form of complex numbers, De Moivre’s Theorem

**The Derivative (Ch. 13)**

Find basic derivatives using the definition of the derivative. Graph the function and the derivative. Calculate the slope at a point.

Understand the difference between average rates of change and instantaneous rates of change.