



**Shake off the winter blues.**

**Jump into the spring semester  
with a tune-up for Math!!**

**Take in a review to build your confidence and improve your Math skills.**

**Use your skills or lose them!!!**

**Attend the Calculus Spring Semester Tune-Up Workshops for Math 103 and Math 104**

Check The Tutoring Center website for updates.  
Spring Semester Workshop Schedule

**Math 103, 7:00 p.m. - 9:00 p.m.**

DAY/DATE/TOPIC/LOCATION		
SUNDAY, JANUARY 13, 2013 DRLB A2	MONDAY, JANUARY 14, 2013 DRLB A2	TUESDAY, JANUARY 15, 2013 DRLB A2
<ul style="list-style-type: none"> <li>--Functions-Vertical Line Test</li> <li>--Types of Functions (radicals included)</li> <li>--Domain and Range</li> <li>--Inverse functions and relationship to domain and range</li> </ul>	<ul style="list-style-type: none"> <li>--Composition of functions</li> <li>--Graphing functions (intercepts, asymptotes)</li> <li>--Shifting and Scaling Graphs</li> </ul>	<ul style="list-style-type: none"> <li>--Factoring and Solving Equations</li> <li>--Completing the Square</li> <li>--Rules for exponents and logarithms (use to simplify expressions)</li> <li>--Related rates and Optimization problems</li> </ul>

**Math 104, 7:00 p.m. - 9:00 p.m.**

DAY/DATE/TOPIC/LOCATION		
SUNDAY, JANUARY 13, 2013 Cohen G17 Auditorium	MONDAY, JANUARY 14, 2013 Cohen G17 Auditorium	TUESDAY, JANUARY 15, 2013 Cohen G17 Auditorium
<ul style="list-style-type: none"> <li>Derivatives and Integrals</li> <li>--basic derivatives and derivative rules</li> <li>--basic integrals and integration rules</li> <li>--more advanced derivatives</li> </ul>	<ul style="list-style-type: none"> <li>Exponentials, Logarithms, and Limits</li> <li>--rules for exponents and logarithms</li> <li>--limits</li> <li>--indeterminate forms and l'Hospital's rule</li> </ul>	<ul style="list-style-type: none"> <li>Trigonometry</li> <li>--important identities</li> <li>--inverse trig functions</li> <li>--basic derivatives and integrals</li> </ul>