

*University of Lethbridge*  
Department of Mathematics and Computer Science  
**MATH 1565 - Tutorial #4**

Print your name and student number clearly in the space above.

Complete the problems on the back of this page to the best of your ability. If there is a problem you especially desire feedback on, please indicate this.

It is recommended that you work out the details on scrap paper before writing your solutions on this page.

1. Using **the definition of the derivative**, determine the equation of the line tangent to the curve  $y = \frac{1}{\sqrt{x}}$  at the point  $(4, \frac{1}{2})$ .