

## MATH 170 – Section 006 – Quiz 2

You may work with other class members on this quiz, but you may *not* receive assistance from people not in your MATH 170 section. You must show all of your work to receive full credit. Do all your work on other sheets of paper and be sure to staple all the pieces of paper together or **YOU WILL GET A 'ZERO' ON THE QUIZ**. Do not use decimal approximations unless asked to do so. Your work on this quiz must be handed in by the beginning of class on Friday, 11 September 2009. **GOOD LUCK!**

**The use of decimal approximations is not only permitted, but is necessary on this quiz.**

- 1) Use the technique of Section 2.1 of the text to estimate the slope of the line tangent to the graph of  $y = \sqrt{x-3}$  at  $x = 12$ .
- 2) Use the technique of Section 2.1 of the text to estimate the speed of an object 2 hours after it begins to move. The object moves  $t^2 + t$  miles in  $t$  hours.