

The Information about Math 184 Final Exam

1. The final exam for Math 184 will be from 8:30 AM to 11:00 AM on December 13. No calculators, books and notes are allowed.
2. The final exam for Math 184 has 6 questions. Question 1 consists of 14 short-answer questions, which are worth 42 marks and are quite similar to the practice problems in Math 184 common webpage. Questions 2, 3, 4, 5 and 6 are longer-answer questions, which are worth 48 marks.
3. The final exam for Math 184 is written according to Math 184 syllabus. Hence, you should know all topics in Math 184 syllabus as posted on the common web page for all sections of Math 184.
4. The final exam for Math 184 DOES NOT have a question asking for the worst-case error for a linear approximation of a function.
5. The following common formulas occurring in high school math courses may be needed. Students need to memorize these formulas.
 - * The volume formula of a rectangular box: $V = xyz$, where x , y and z are the dimensions of the box.
 - * The volume formula of a right cylinder: $V = \pi r^2 h$, where r is the radius of the base, and h is the height of the right cylinder.
 - * The area formula of a a circle: $A = \pi r^2$, where r is the radius of the circle.
 - * The circumference formula of a circle: $C = 2\pi r$, where r is the radius of the circle.
 - * The Pythagorean Theorem: $a^2 + b^2 = c^2$, where a and b are the sides of a right triangle, and c is the hypotenuse.
 - * If $ax^2 + bx + c = 0$, then $x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$.

Other area/volume/distance formulas not given in the list that may be needed will be stated on the exam.