**诚信应考,考试作弊将带来严重后果！**

姓名 学号  学院 专业 座位号

( 密 封 线 内 不 答 题 )

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**华南理工大学期末考试**

**《20231201 Calculus Review Limit》试卷**

**注意事项：1. 考前请将密封线内填写清楚；**

**2. 所有答案请直接答在试卷上(或答题纸上)；**

**3．考试形式：闭卷；**

**4. 本试卷共 8 大题，满分100分， 考试时间120分钟**。

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| --- | --- | --- | --- | --- | --- | --- |
| **题 号** | **1,2** | **3, 4** | **5, 6** | **7, 8** | **9, 10** | **总分** |
| **得 分** |  |  |  |  |  |  |
| **评卷人** |  |  |  |  |  |  |

1. Answer the questions (26):

(1) Prove the limit 

(2) Prove the limit (1) ,(2) 

(3) Find the limit 

(4) Find the limit continue and differentiable, 

(5) Let , , is continue or not.

(6) Let , is continue or not

(7) Find limit 

(8) Find limit 

(9) Find the limit 

(10) Find the limit 

(12) If is continue and ,Find limit 

(13) If satisfied ,Find limit 

(14) Find if .

1. Find if .
2. 
3. 
4. Find ，
5. If . Find .
6. Find the 
7. Evaluate 