MAC 2311 Hybrid Calculus I (B)

**Sections 2.4-2.6**

1. Find the Following limits. If the limit does not exist (DNE) explain why.

 

2.

3.

4. If and, find.

5.

6.

7.

8.

9.

10.

11.

12. Find the vertical asymptotes of

13. Evaluate

14. Evaluate

15. Use limits to find the horizontal asymptote(s) of.

16. Use limits to find the vertical asymptote(s) of.

17. Find the value of ‘a’ that will make , continuous at *x* = 1.

18. Find the largest interval on which the function is continuous.

19. Write the 3 conditions for continuity of the function at the point .