MAC 2311 Hybrid Calculus I (B)

**1.1-1.5 Review**

1. Find the difference quotient for the function

2. Simplify as a piecewise function.

 3. The function is an even function, odd function or neither.

4. Evaluate *cot* (−7π/3).

5. Solve for all *x.*

6. If *f* (*x*) = and *g*(*x*) =, find (*f*  *g*)(*x*) and (*g*  *f*)(*x*).

7. Graph and .

8. Graph .

9. Solve for *x.*

10. (a) Find arcsin(sin7π/6). (b) cos(tan-1())

11. Simplify 2 log4(2x) - log4(x2).

12. True/False:

|  |
| --- |
|  |