**Math 252 Homework 1 Written Part Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

*Write legibly. Show your work. Graph neatly. Use a ruler for all straight lines.*

For the following limit forms, either give the answer or label it as indeterminate. Be ready to discuss/explain your answers next class.

Remembering that these are results of limits, it's smart to think:

0 = a number very close to zero that might be positive or negative, and that's getting closer to zero.

∞ = a very big positive number, that's getting infinitely bigger.

1 = a number very close to 1, that's getting closer to 1, but it might be less than 1 or greater than 1.

1. 
2. 
3. 
4. 
5. 
6. 
7. 
8. 
9. 
10. 
11. 
12. 