**Limits and Piecewise Functions!**

**Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ PER \_\_\_\_\_\_\_ DATE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Complete the following steps for each piecewise function below.**

1. **Draw the graph of f(x). (HINT: make a t-table!)**
2. **Determine lim f(x) and lim f(x)**

**x 🡪 c - x 🡪 c +**

1. **Does the lim f(x) exists? If so what is it? If not explain.**

**x🡪 c**

1. **c = 2, f(x) =** 
2. **c = 1, f(x) =** 
3. **c = - 1, f(x) =** 