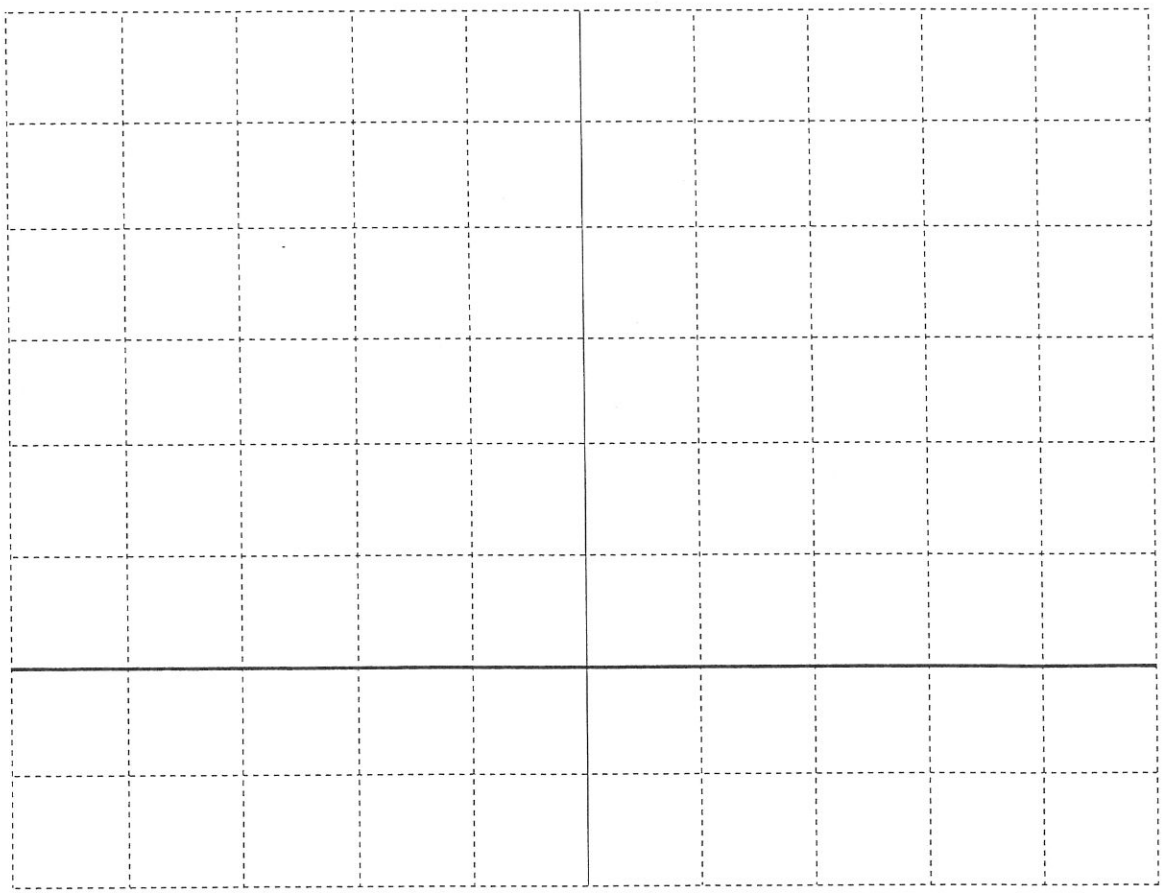
Precalc
Christmas Bonus Problem

Name:_____

Graph the following curves on the domains given, all on the same set of axes. Show all your work.

1. $y = 2^{x+1} + 3, \quad -1 \le x \le 0$
2. $y = 2^{-(x-1)} + 3, \quad 0 \le x \le 1$
3. $y = 2.08^{x+2} + 1, \quad -2 \le x \le -\frac{1}{2}$
4. $y = 2.08^{-(x-2)} + 1, \quad \frac{1}{2} \le x \le 2$
5. $y = \sqrt{2}^{x+3}, \quad -3 \le x \le -1$
6. $y = \sqrt{2}^{-(x-3)}, \quad 1 \le x \le 3$
7. $x = -1, \quad 0 \le y \le 1$
8. $x = 1, \quad 0 \le y \le 1$
9. $y = 1, \quad -3 \le x \le 3$
10. $y = 2, \quad 1 \le x \le 2$ and $-2 \le x \le -1$
11. $y = 4, \quad \frac{1}{2} \le x \le 1$ and $-1 \le x \le -\frac{1}{2}$