**Extra Credit 42 - 45**

**Extra #42**

**Solve by graphing (no calculator)**

**1.** y > | x – 3 | - 2 **2.** y

 y < - | x – 1 | + 3 y

**3. Solve on your calculator:** y = | 3x – 4 |

 2x - 3y = -12

**Extra #43**

**Draw the graph of the following function and list the horizontal asymptote. Label 2 points on each graph:** f(x) =

**2. You put $2500 in the bank at 7% interest. How much money will you have after:**

 **a.** 5 years  **b.** 25 years

**3. You would like $10,000 for college. How much would need to be deposited if the account pays 7.5% interest and you can leave it there for:**

 **a.** 10 years  **b.** 20 years

**Extra #44**

**Write the expressions as the log of a single quantity:**

**1**. 4 [

**2.**

**3.**

**Extra #45**

**Solve**

**1.** **2.**

**Solve. Give the exact answer and the answer to 3 decimals**

**3.** **4.**

**5.** **6.** 5