Warmup

Have out progress report signed by parent

B- Sponential

Linear and Exponential

that you know!

Amant \$

Given the following scenarios, you are to compare which method is better.

- a. Two dollars for each bag of leaves
- b. **Two cents** for **one** bag, **4 cents** for **2** bags, **8 cents** for 3 bags, and so on with this amount **doubling** for **each** additional **bag**.

Create each **explicit** equation. 90 Option A: 80 y=2x f(n)=2n70 50 40 Create a table for each option 20 Option A Option B 10 х У 0 0 Graph each table on the graph provided. Be sure to label A and B. 1) If Celia rakes 5 bags of leaves, which method does she opt for? Why? $A \rightarrow 40$ $B \rightarrow 40$, 32 Option $A \rightarrow$ More 4 $B \rightarrow 0.02(2)^{10-1} = \frac{10.24}{10.24}$ 2) What if she rakes 10 bags of leaves? $4 \rightarrow 2(10) = 420$ 3) How many bags of leaves does she have to rake before method b pays more than method a? 4) Describe the difference in payment plans. What do you notice about the growth of each one? Put down ALL

A-> Linear

Arithmetic 72