

Name: _____

Date: _____

Linear: same amount ADDED each step. Exponential: same factor MULTIPLIED. Check tables both ways! Last two are challenge problems.

1. Table: 5, 8, 11, 14. Linear or exponential?

show your work

2. Table: 5, 10, 20, 40. Linear or exponential?

show your work

3. 'By \$15 each month' - linear or exponential?

show your work

4. 'By 15% each month' - linear or exponential? (Trainer echo - June 2025 Q3!)

show your work

5. Table: 100, 90, 81, 72.9. Which type? Find the pattern.

show your work

6. Table: 40, 34, 28, 22. Which type?

show your work

7. Write the rule for 5, 8, 11, 14 (start $x = 0$).

show your work

8. Write the rule for 5, 10, 20, 40 (start $x = 0$).

show your work

- 9.** Job A: \$40,000 + \$2,000 raise yearly. Job B: \$40,000 + 4% raise yearly. Which pays more in year 10, roughly? ★ CHALLENGE

show your work

- 10.** A table shows 3, 6, 12, 21. Prove it is NEITHER linear nor exponential. ★ CHALLENGE

show your work