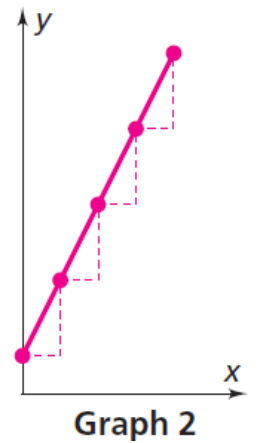
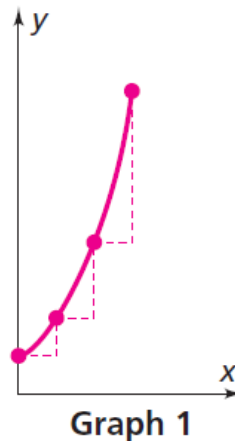


7. The graphs at right represent $y = 2^x$ and $y = 2x + 1$.
 a. Tell which equation each graph represents. Explain your reasoning.

b. Which graph shows exponential growth?
 How do you know?



Study the pattern in each table and answer questions a and b.

3.

x	0	1	2	3	4	5
Y	10	12.5	15	17.5	20	22.5

a. *linear, exponential, or neither.* Explain your reasoning.

b. If the relationship is linear or exponential, give its explicit equation.

4.

x	0	1	2	3	4
Y	1	6	36	216	1296

a. *linear, exponential, or neither.* Explain your reasoning.

b. If the relationship is linear or exponential, give its explicit equation.

5.

$$f(x) = x^2$$

a. *linear, exponential, or neither.* Explain your reasoning.

b. List the first 5 terms.

6.

$$f(x) = 2(2)^x$$

a. *linear, exponential, or neither.* Explain your reasoning.

b. List the first 5 terms.