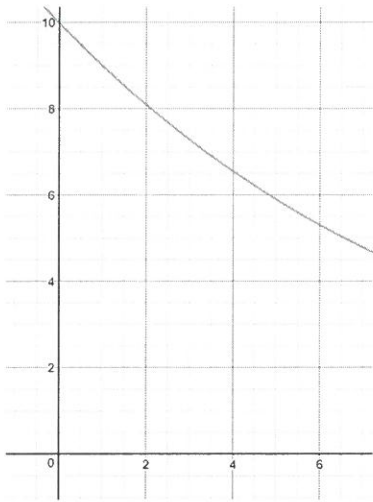


Exponential Functions - Graphs

Complete each of the following parts for the four graphs below.

- Determine if the graph represent growth or decay.
- Determine the y-intercept and common ratio.
- Write the equation for the graph.

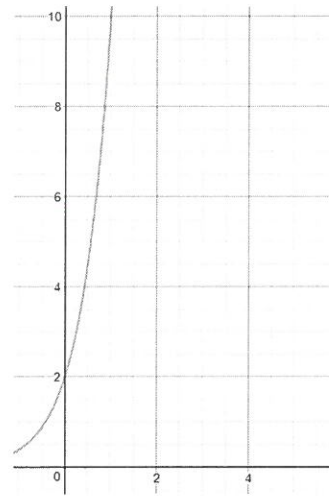
1.



decay
y int = 10
CR = .9

$$y = 10 \cdot (.9)^x$$

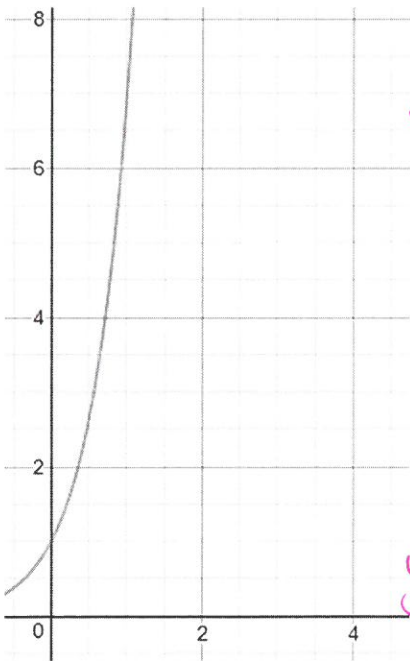
2.



growth
y int = 2
CR = 5

$$y = 2 \cdot (5)^x$$

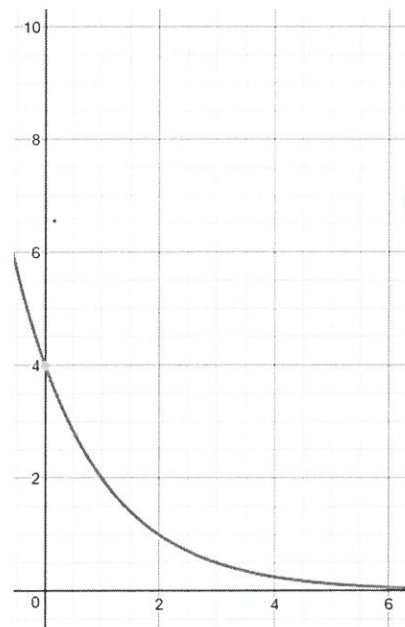
3.



growth
y int = 1
CR = 7

$$y = 1 \cdot (7)^x$$

4.



decay
y int = 4
CR = $\frac{1}{2}$

$$y = 4 \cdot \left(\frac{1}{2}\right)^x$$