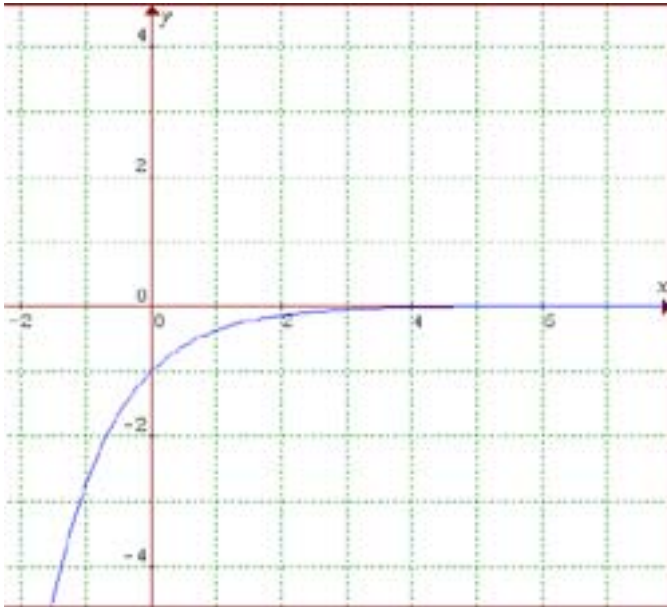
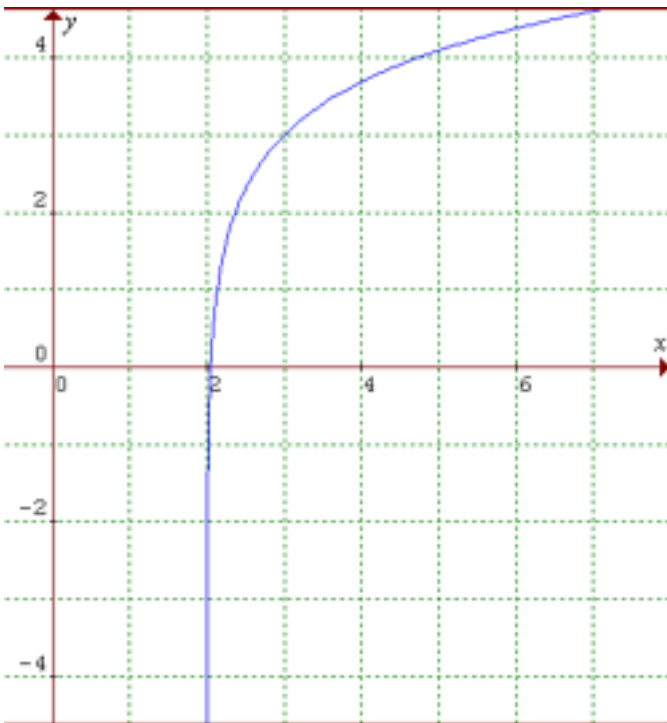


## Key Concept Chapter 5

1.



2.



3.

3

4.

$x = 5$

5.

$$x = \frac{3 \ln 2}{\ln 5 - \ln 2} \text{ or } x = \frac{3 \log 2}{\log 5 - \log 2}$$

5.

approx. 13.5 yrs