-Today Solve System of Exponential Equations

-Also start Shrinking Targets from 2.1.1

(Start Ch. 2 with 2.1.2 Day 1 instead of 2.1.1)

Pull out Shrinking Targets





(B) List the first 4 terms of the sequence given
the RECURSIVE formula
$$\begin{cases} t_1 = -100 \\ t_2 = -100 \\ t_{n+1} = t_n + 20 \end{cases}$$

 $t_3 = t_2 + 20 \\ t_3 = t_2 + 20 \\ -80 + 20 = 80 \end{cases}$

















$$\frac{16}{256} = \frac{256}{256} = \frac{6}{256}$$

$$\frac{16}{16} = \frac{16}{256}$$

$$\frac{16}{256} = \frac{16}{256}$$

$$\frac{16}{256} = \frac{1}{54}$$

$$\frac{16}{256} = \frac{1}{54}$$

$$\frac{16}{256} = \frac{1}{54}$$

$$\frac{16}{256} = \frac{1}{54}$$



Find the equation of the exponential function $(y=ab^{*})$ that pass through (3, 26,568) (5, 956448) Example





















Make adjustments to your equation to "fit" to the data. $y = \times^2$

Write down your final equation. Use it to predict the mass of a target with a radius twice as large as the largest circle (circle A)





