TikTok downloads through the Apple Store.
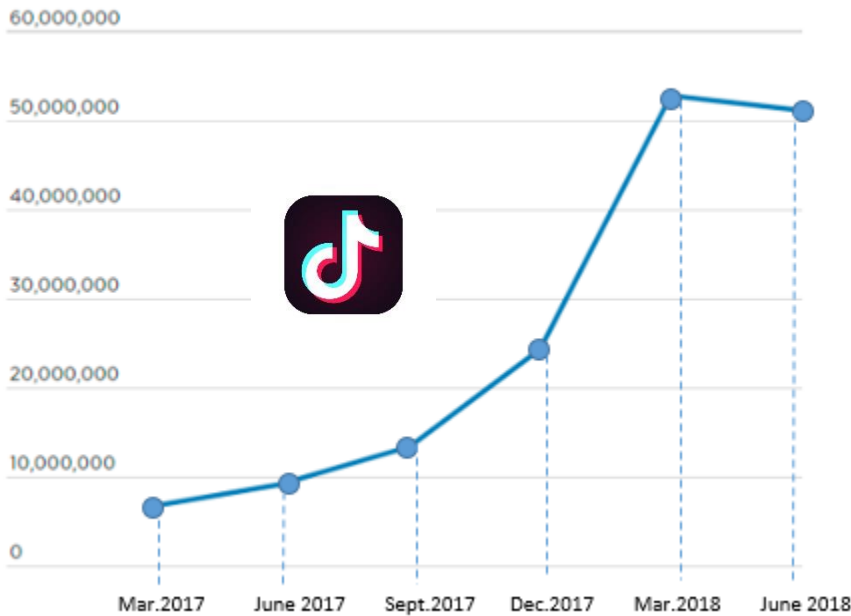
| Months	Downloads (in millions)
Mar.2017	8
June 2017	9.5
Sept. 2017	13
Dec. 2017	24
Mar. 2018	53
June 2018	51

Find the average rate of change from Mar.2017 to June 2017 _____

Find the average rate of change from June 2017 to June 2018 _____

Circle the function family that would best model the graph from Mar. 2017 to Mar. 2018?

    Linear   Quadratic   Exponential   Radical   Absolute-Value

_____

Functions and Sequences
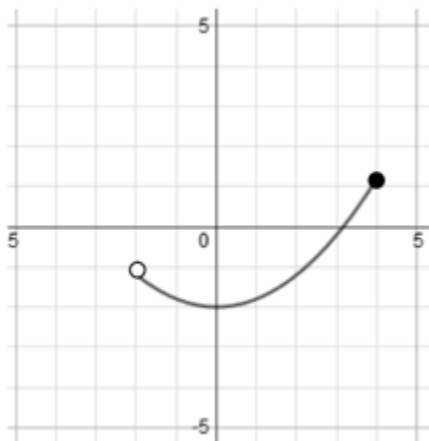
D

R

Global Max.

Global Min.

Jaidyn plays poker with Reece every day. Reece starts with $3.00 and doubles his money every day.

List the sequence from the situation:

____ , ____ , ____ , ____ , ____ …

Write the formula for the sequence:

Determine how much money Reece will have after 15 days.

Linear Relationships

Kanye has two part-time jobs. For the first job he receives $6 per hour as Mr. Strickler's butler. The other job, quality control worker for I'mWrong Inc., pays $10 per hour. He wants to make $360. **Write** an equation that describes this situation in three different forms. **Define** your x and y values.

x =

y =

Point – slope form	Slope – Intercept Form	Standard Form

If he works for 15 hours as Mr. Strickler's butler, how many hours will he have to work for I'mWrong Inc. in order to achieve his goal of $360?

Graph each equation.

$x - 3y = 15$

$y = \frac{1}{2}x - 3$

$(y - 1) = \frac{5}{2}(x + 4)$