Name Key
Mrs. Roumbos

Date
8A Period

Regression Do Now

graphs

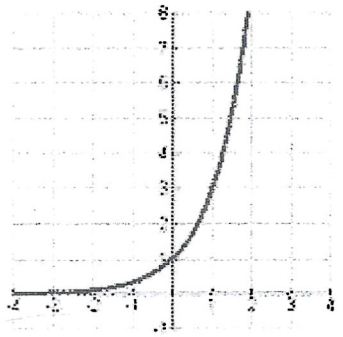
2 units up from (0,1) to (9,3)

Which graph below depicts $y = 3^x + 2$?

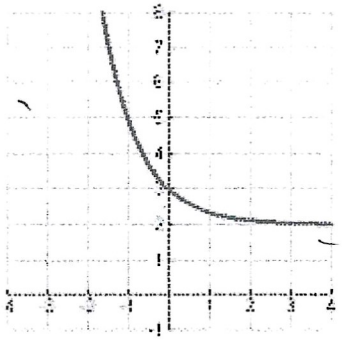
Choose:

1) a
2) b
3) c
4) d

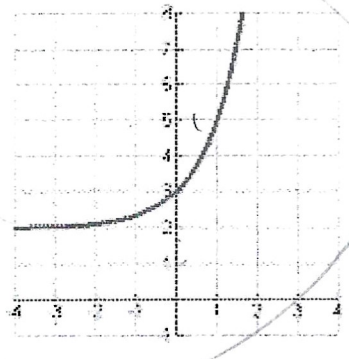
a



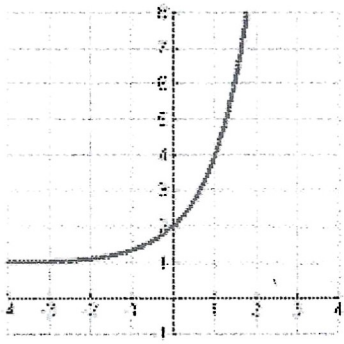
b



c



d



(0,1)

table

0	3
1	5
2	11
3	29

shortcuts $3^0 + 2$

+

3^0

+

$y = 3^1$

$y = 3^x$

Name Key

8A; Algebra 1

Date _____

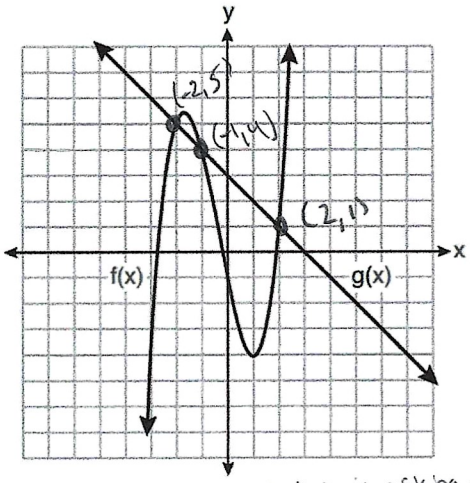
Period _____

Do Now

1)

Cubic

The functions $f(x)$ and $g(x)$ are graphed on the set of axes below.



For which value of x is $f(x) = g(x)$? → this is asking where they do NOT intersect

(1) -1 ✓

(2) 2 ✓

(3) 3

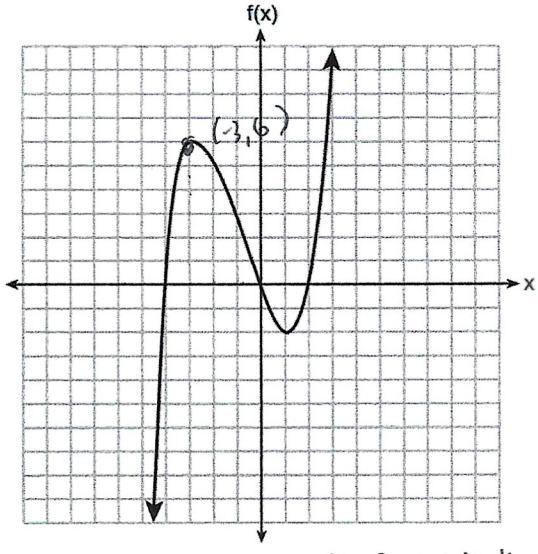
(4) -2 ✓

$f(x) = g(x)$ means the points where the 2 graphs intersect

2)

Cubic

The graph of $f(x)$ is shown below.



What is the value of $f(-3)$? → when x is -3 what is the corresponding y-value?

(1) 6

(2) 2

(3) -2

(4) -4