Graphing Exponential Functions · 1

Find the y-intercept of $y = 5(\frac{1}{2})^x$.

Graphing Exponential Functions · 2

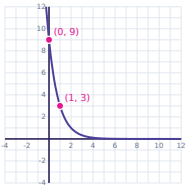
Does $y = (\frac{1}{2})^x$ show exponential growth or exponential decay?

Graphing Exponential Functions · 3

Find y when x = 2 for $y = 3(2)^x$.

Graphing Exponential Functions · 4

What is the y-intercept of the exponential graph?



Graphing Exponential Functions · 5

What is the horizontal asymptote of the graph of $y = 4(3)^x$?

Graphing Exponential Functions · 6

Does $y = 6(2)^x$ show exponential growth or exponential decay?

Graphing Exponential Functions · 7

Find the y-intercept of $y = 2(\frac{1}{3})^x$.

Graphing Exponential Functions · 8

Does $y = 6(3)^x$ show exponential growth or exponential decay?

Graphing Exponential Functions · 2

ANSWER

decay

Graphing Exponential Functions · 1

ANSWER

5

Graphing Exponential Functions · 4

ANSWER

9

Graphing Exponential Functions · 3

ANSWER

12

Graphing Exponential Functions · 6

ANSWER

growth

Graphing Exponential Functions · 5

ANSWER

y = 0

Graphing Exponential Functions · 8

ANSWER

growth

Graphing Exponential Functions · 7

ANSWER

2

Graphing Exponential Functions · 9

Find y when x = 1 for $y = 3^x$.

Graphing Exponential Functions · 10

What is the y-intercept of the exponential graph?



Graphing Exponential Functions · 11

What is the horizontal asymptote of the graph of $y = (\frac{1}{2})^x$?

Graphing Exponential Functions · 12

Does $y = 3^x$ show exponential growth or exponential decay?

Graphing Exponential Functions · 13

Find y when x = 2 for $y = 8(\frac{1}{2})^x$.

Graphing Exponential Functions · 14

What is the horizontal asymptote of the graph of $y = 6(\frac{1}{4})^x - 5$?

Graphing Exponential Functions · 15

Find the y-intercept of $y = 2^x$.

Graphing Exponential Functions · 16

Does $y = 5^x$ show exponential growth or exponential decay?

Graphing Exponential Functions · 10

ANSWER

2

Graphing Exponential Functions · 9

ANSWER

3

Graphing Exponential Functions · 12

ANSWER

growth

Graphing Exponential Functions · 11

ANSWER

y = 0

Graphing Exponential Functions · 14

ANSWER

y = -5

Graphing Exponential Functions · 13

ANSWER

2

Graphing Exponential Functions · 16

ANSWER

growth

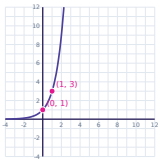
Graphing Exponential Functions · 15

ANSWER

1

Graphing Exponential Functions · 17

Write the equation of the exponential graph in the form $y = a(b)^x$.



Graphing Exponential Functions · 18

Find y when x = -2 for $y = 12(2)^x$.

Graphing Exponential Functions · 19

Find the y-intercept of $y = 5(3)^x$.

Graphing Exponential Functions · 20

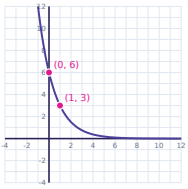
Does $y = 4(\frac{1}{3})^x$ show exponential growth or exponential decay?

Graphing Exponential Functions · 21

Find y when x = 3 for $y = 81(\frac{1}{3})^x$.

Graphing Exponential Functions · 22

What is the y-intercept of the exponential graph?



Graphing Exponential Functions · 23

What is the horizontal asymptote of the graph of $y = 6(\frac{1}{2})^x$?

Graphing Exponential Functions · 24

Find the y-intercept of $y = 3(2)^x$.

Graphing Exponential Functions · 18

ANSWER

3

Graphing Exponential Functions · 17

ANSWER

$y = 3^x$

Graphing Exponential Functions · 20

ANSWER

decay

Graphing Exponential Functions · 19

ANSWER

5

Graphing Exponential Functions · 22

ANSWER

6

Graphing Exponential Functions · 21

ANSWER

3

Graphing Exponential Functions · 24

ANSWER

3

Graphing Exponential Functions · 23

ANSWER

y = 0