Graphing Exponential Functions · 1

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

Graphing Exponential Functions · 2

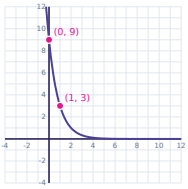
Does $y = (\frac{1}{2})^x$ show exponential growth or exponential decay?

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**

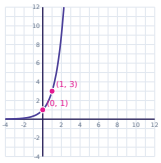
Graphing Exponential Functions · 15

**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

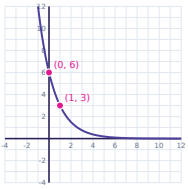
Does $y = 4(\frac{1}{3})^x$ show exponential growth or exponential decay?

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**