

Exponential Functions Exit Quiz

Part A Instructions: Choose the option that completes the sentence or answers the question.

1. Which one of these is an exponential function?

- a. $0.1^x + 2$
- b. $e^x - 1$
- c. 3^x
- d. All of these

2. The domain of an exponential function is:

- a. $(-\infty, +\infty)$
- b. $(-\infty, 0)$
- c. $(0, +\infty)$
- d. None of these

3. $2^{-\infty} =$ _____:

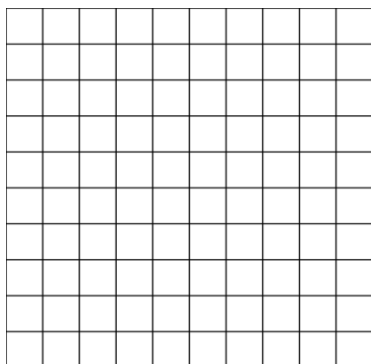
- a. ∞
- b. $-\infty$
- c. 0
- d. 1

4. The asymptote of the function $f(x) = 2^x + 4$ is:

- a. $y = 5$
- b. $y = 4$
- c. $y = 0$
- d. None of these

Part B Instructions: Answer the question below.

5. Graph the function $y = 0.1^{x+2}$.



Exponential Functions Exit Quiz

Answers

Part A Instructions: Choose the option that completes the sentence or answers the question.

1. Which one of these is an exponential function?

- a. $0.1^x + 2$
- b. $e^x - 1$
- c. 3^x
- d. All of these

2. The domain of an exponential function is:

- a. $(-\infty, +\infty)$
- b. $(-\infty, 0)$
- c. $(0, +\infty)$
- d. None of these

3. $2^{-\infty} =$ _____ :

- a. ∞
- b. $-\infty$
- c. 0
- d. 1

4. The asymptote of the function $f(x) = 2^x + 4$ is:

- a. $y = 5$
- b. $y = 4$
- c. $y = 0$
- d. None of these

Part B Instructions: Answer the question below.

5. Graph the function $y = 0.1^{x+2}$.

