

## Quiz: Exponential Growth and Decay

1. Given  $y = x^5$ , evaluate  $y$  when  $x = 2$ .
2. Would the graph of  $y = 1.9^x$  show exponential growth or exponential decay?
3. Given  $y = 4^x$ , evaluate  $y$  when  $x = -2$ .
4. The equation  $y = a^x$  will be an exponential growth when  $x$  equals \_\_\_\_\_.
5. Would the graph of  $y = 0.02^x$  show exponential growth or exponential decay?
6. Given  $y = 9^x$ , evaluate  $y$  when  $x = -2$ .
7. Would the graph of  $y = 2.3^x$  show exponential growth or exponential decay?
8. The graph of  $y = 1.6^x$  lies in which Quadrants?
9. Write an ordered pair represents the  $y$ -intercept for the function  $y = 7^x$ ?
10. Given  $y = 2^x$ , evaluate  $y$  when  $x = -4$ .

Circle # Correct	0	1	2	3	4	5	6	7	8	9	10
Percentage Score	0%	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%