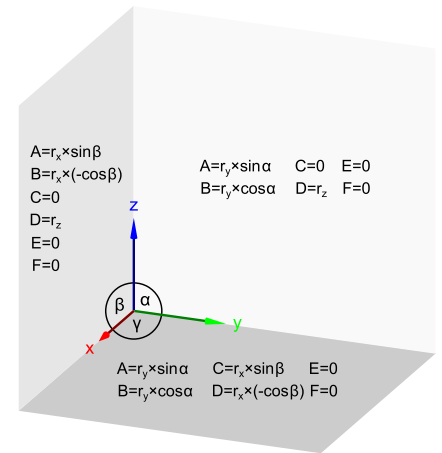
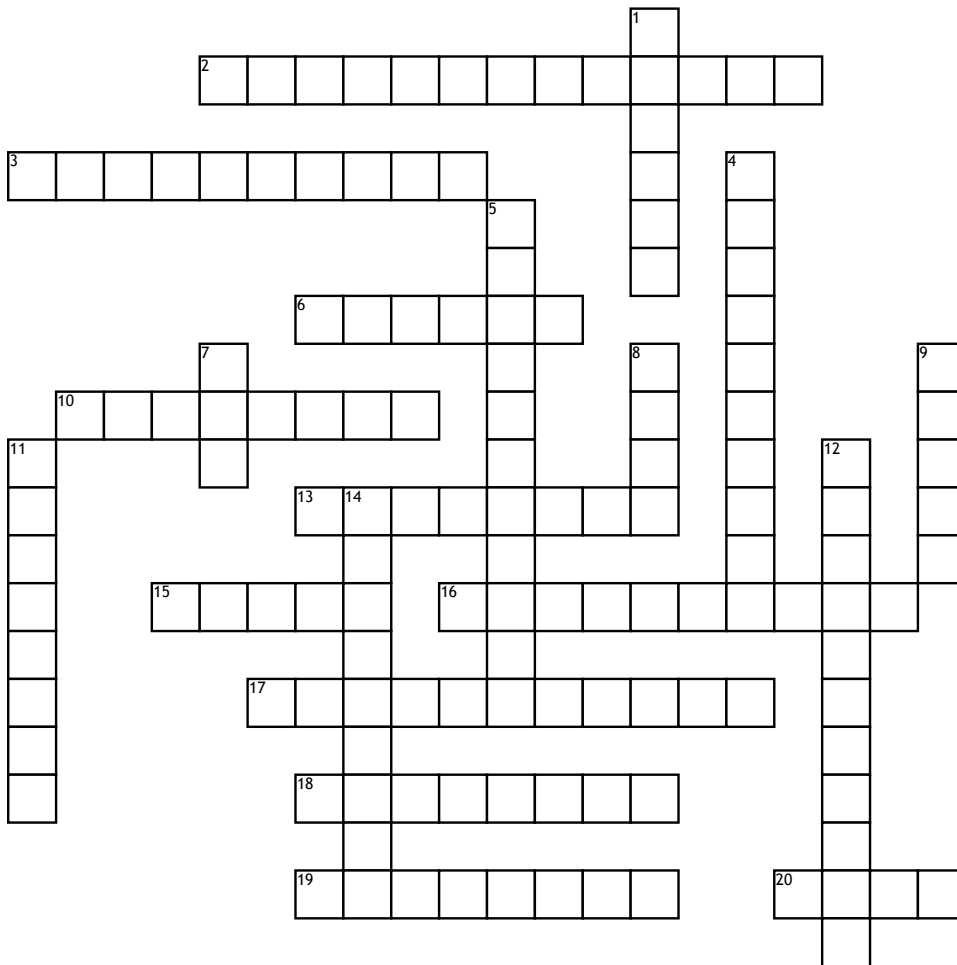


Exponential and Logarithmic Crossword Puzzle



Across

2. In exponential functions in the form of $f(x)=ab^x$, the a value represents the _____.

3. Rules associated with logarithms that allow you to condense or expand a logarithm are log _____.

6. The growth of something exponentially, such as population or interest, is referred to as exponential _____.

10. In exponential notation n^x , x is the _____.

13. _____ - _____ means that half of a sample of the substance will remain as the original element in time.

15. The decline of something exponentially, such as radioactive deterioration or a vehicle's value depreciating, is referred to as exponential _____.

16. Logarithm to the base e is a _____.

17. A function in the form of $f(x)=ab^x$.

18. In logarithmic functions, the asymptote the graph approaches but never touches or crosses.

19. In logarithmic functions, the asymptote the graph approaches but never touches or crosses.

20. The abbreviation used for the logarithmic function.

Down

1. The _____ logarithm is the logarithm with base 10.

4. In exponential functions, the asymptote the graph approaches but never touches or crosses.

5. _____, e can be used in interest problems when the interest is compounded continuously.

7. The abbreviation used for the logarithmic function.

8. In exponential functions in the form of $f(x)=ab^x$, the b value represents the _____.

9. Another term used to describe an exponent.

11. A logarithm could be read as "log base b of the _____ (or answer) equals the exponent."

12. Rules associated with logarithms that allow you to condense or expand a logarithm are log _____.

14. A line that a graph approaches but does not touch or cross.