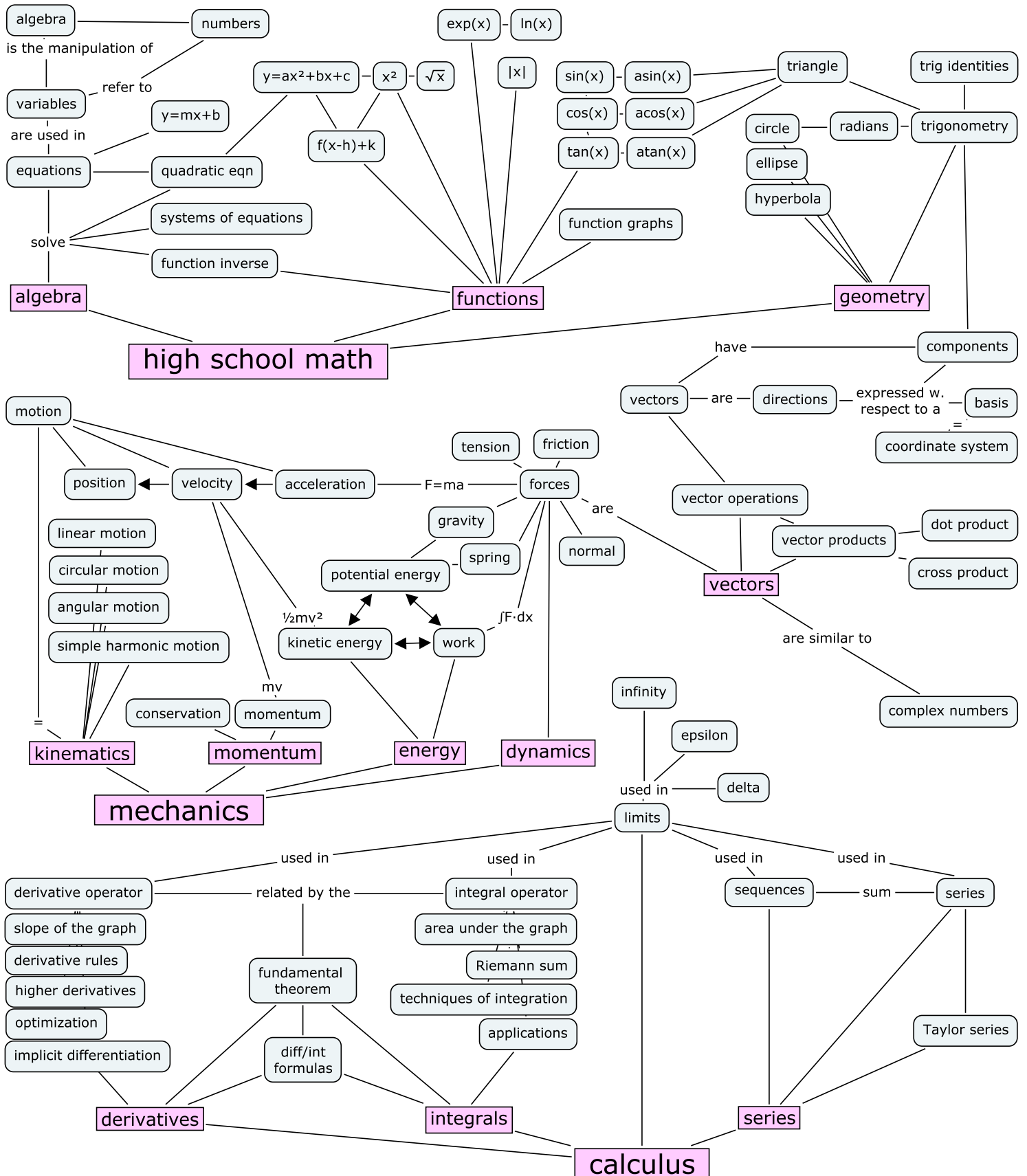
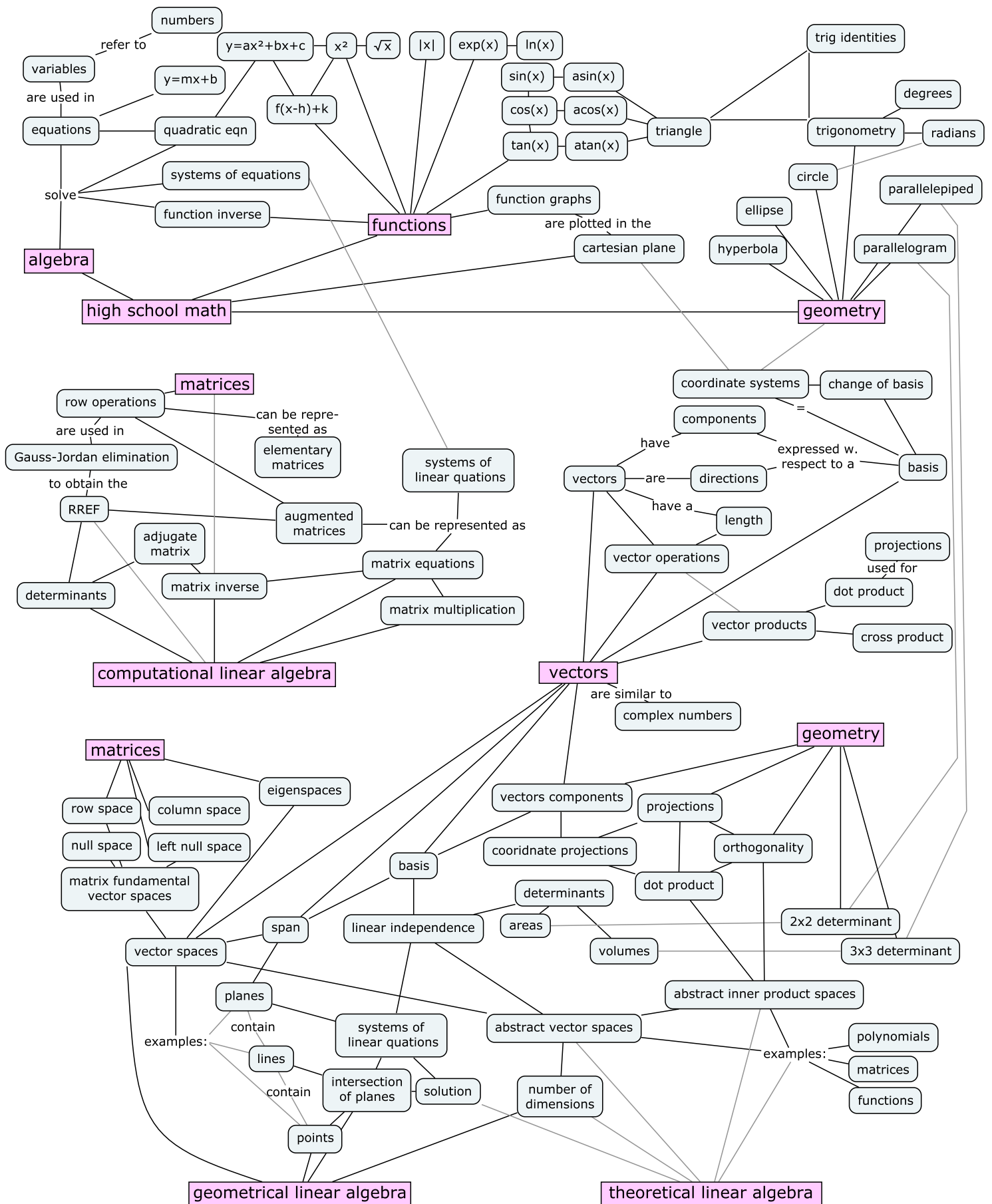


# Math and physics concept map

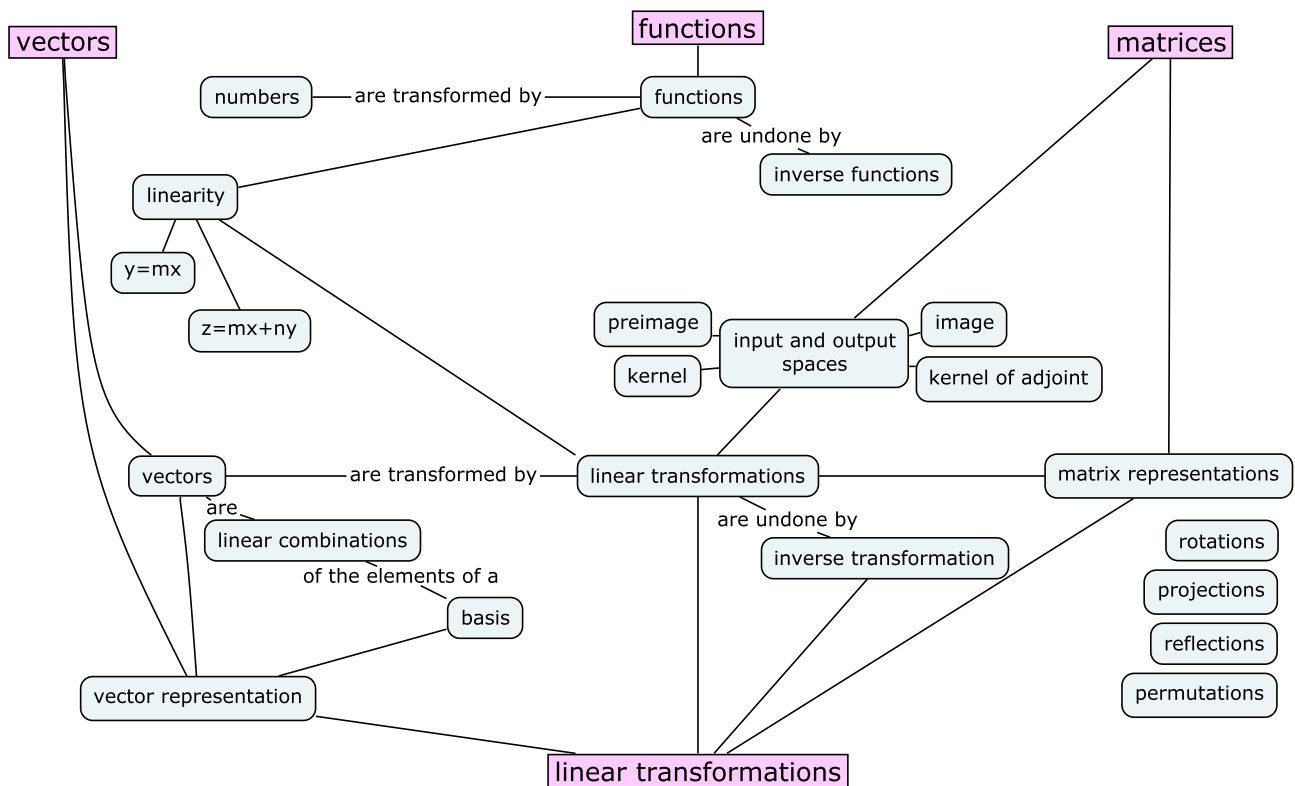


**Figure 1:** Each concept in this diagram corresponds to one section in the NO BULLSHIT GUIDE TO MATH AND PHYSICS.

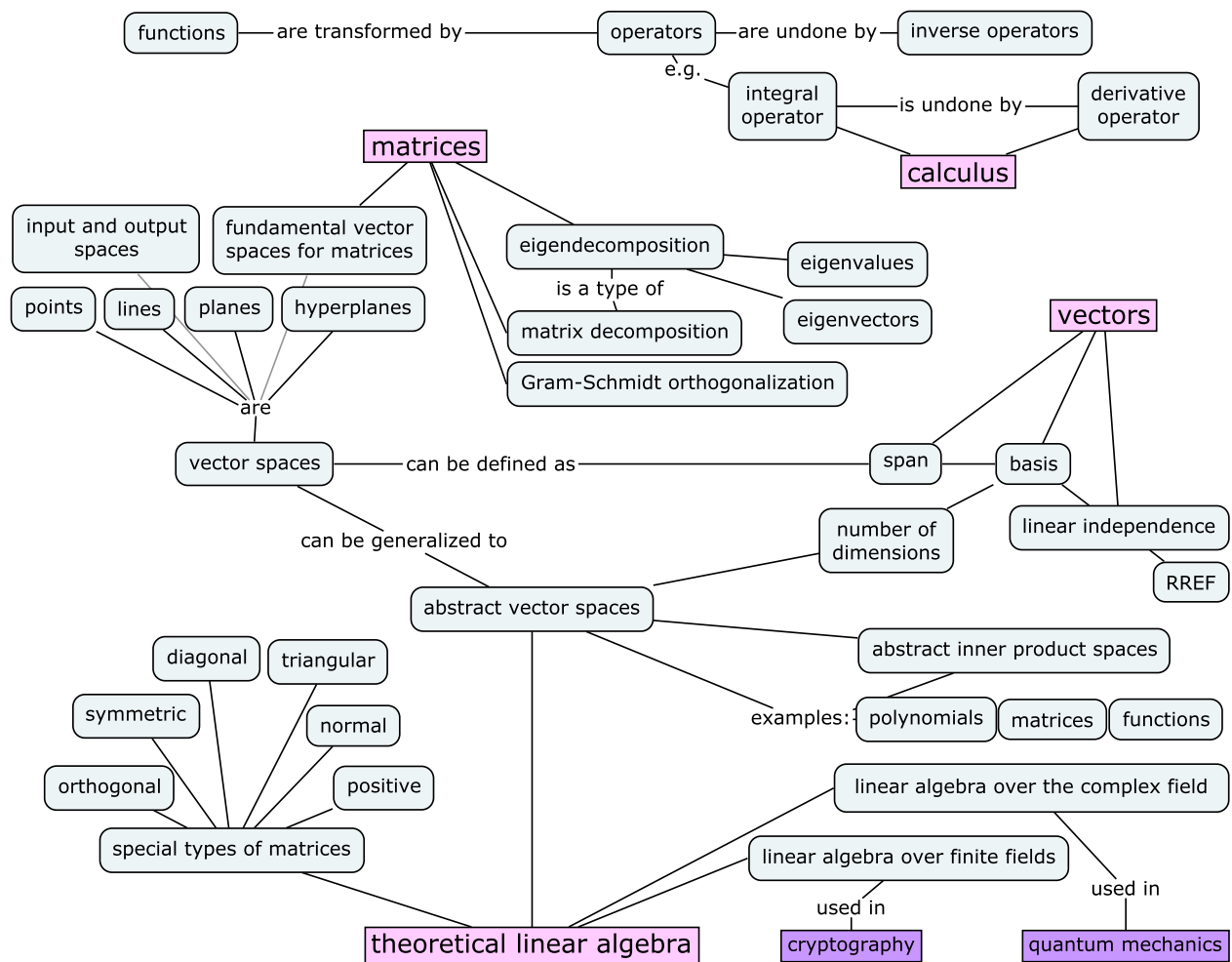
# Linear algebra concept maps



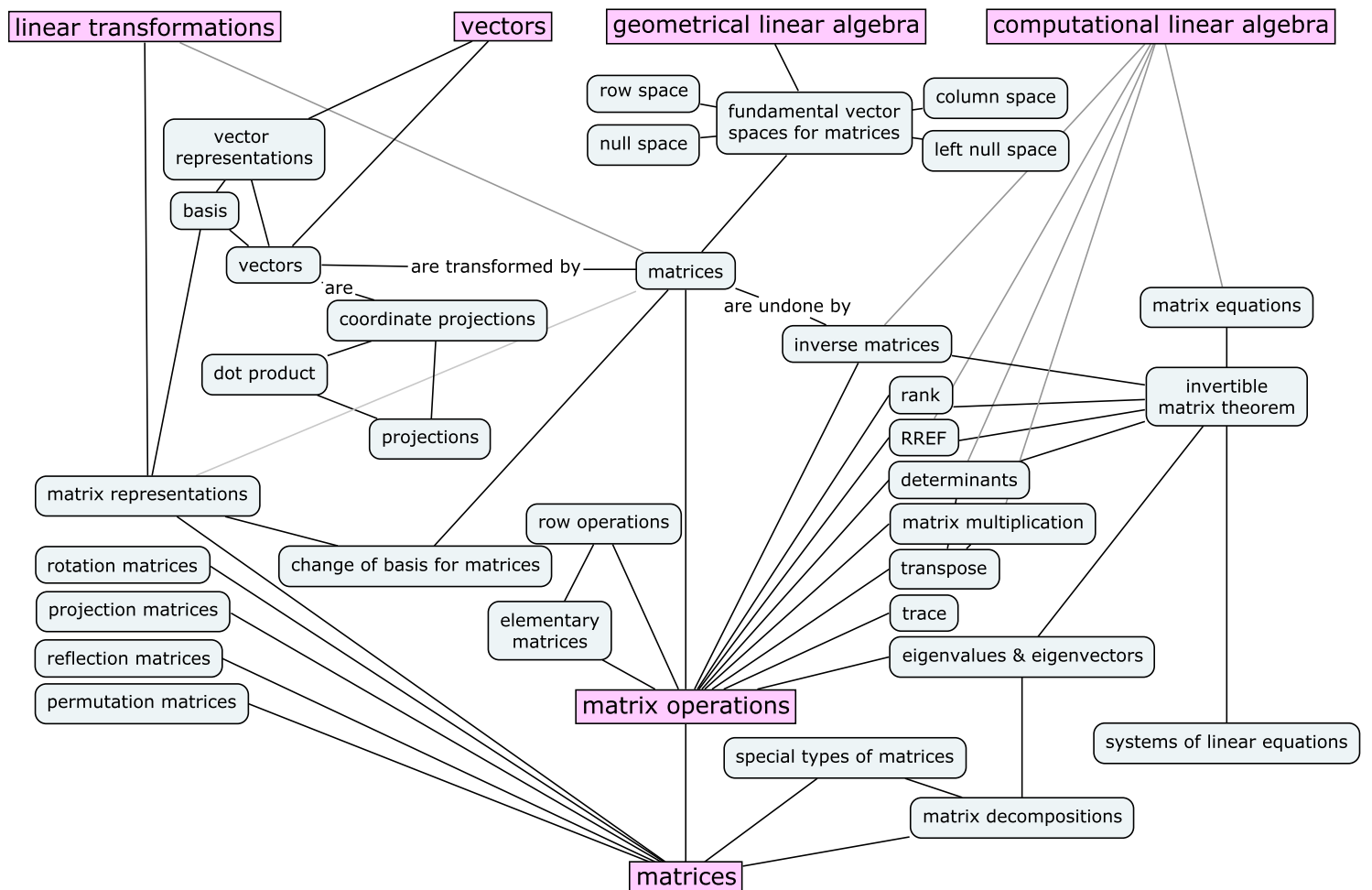
**Figure 2:** This concept map illustrates the prerequisite topics of high school math required to understand vectors. Vectors are the building blocks of computational, geometrical, and theoretical linear algebra. See [gum.co/noBSLA](https://gum.co/noBSLA) for more details.



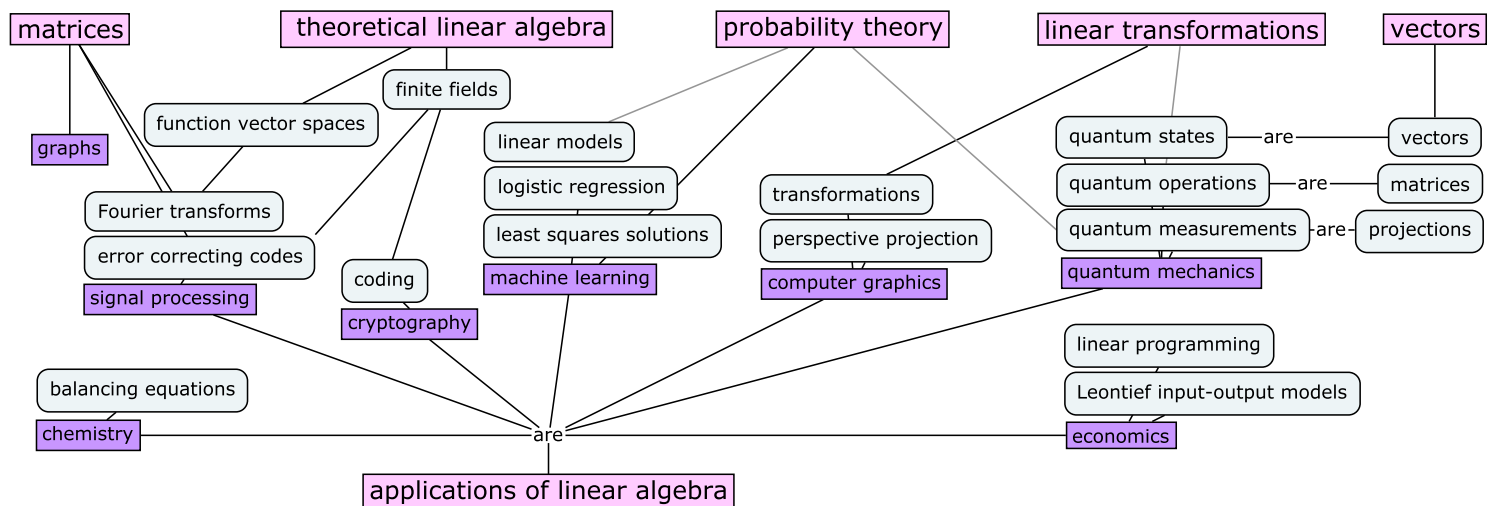
**Figure 3:** Linear transformations and their properties play a central role in linear algebra.



**Figure 4:** Concept map showing the theoretical aspects of linear algebra and links to certain applications.



**Figure 5:** Matrix operations and matrix computations play an important role throughout linear algebra. Matrices are used to implement linear transformations, to solve systems of linear equations, and to perform various geometrical computations.



**Figure 6:** Linear algebra has many applications in physics, chemistry, engineering, economics, business, computing, signal processing, probability theory, and quantum mechanics.

If you want to learn more about linear algebra, you should check out the NO BULLSHIT GUIDE TO LINEAR ALGEBRA, ISBN 978-0-9920010-2-5. This short textbook covers all of the above topics and is available at [gum.co/noBSLA](https://gum.co/noBSLA).