Can you give a definition/example/drawing of... ?

- Vectors spanning $\mathbb{R}^n$
- Pivot in a matrix
- (Reduced) echelon form of matrix A
- Rank of a matrix
- Similar matrices
- Eigenvector and eigenvalue
- Orthonormal set of vectors
- Magnitud of a vector
- Linear transformations
- Invertible matrices
- Onto functions
- One-to-one functions
- Linear independence
- Subspace of $\mathbb{R}^n$.
- Inner product of $\vec{x}$ and $\vec{y}$
- Null space of a matrix
- Column space of a matrix
- Orthogonal projection
- Orthogonal complement
- Inconsistent system of equations
- Basis of $\mathbb{R}^n$.
- Matrix of a rotation in $\mathbb{R}^n$
- Characteristic polynomial
- Distance from $\vec{x}$ to a subspace
- Diagonalizable matrix

Underline those concepts you struggle the most to remember.