

## Terms in 2.1-2.3, 1.8, 1.9, 2.7

1. associativity
2. black hole matrix
3. commutativity
4. condition number
5. determinant and inverse of a 2x2 matrix
6. dilation
7. elementary matrix
8. Hill cipher
9. identity matrix
10. invertible
11. invertible—what makes a matrix invertible
12. linear transformation
13. matrix addition
14. matrix multiplication
15. projection
16. range of a linear transformation
17. reflection
18. rotation
19. row equivalent
20. scalar multiplication of matrices
21. shear
22. singular
23. translation
24. transpose of a matrix

Write out *definitions, big picture ideas, multiple representations and/or examples* (whatever you would find the most helpful) as we cover them.

1. associativity

2. black hole matrix

3. commutativity

4. condition number

5. determinant and inverse of a 2x2 matrix

6. dilation

7. elementary matrix

8. Hill cipher

9. identity matrix

10. invertible

11. invertible—what makes a matrix invertible

12. linear transformation

13. matrix addition

14. matrix multiplication

15. projection

16. range of a linear transformation

17. reflection

18. rotation

19. row equivalent

20. scalar multiplication of matrices

21. shear

22. singular

23. translation

24. transpose of a matrix