1. Which search works only on sorted data?
2. Which search checks elements one by one?
3. Which algorithm fails for negative weights?
4. Which algorithm detects negative cycles?
5. Which algorithm finds all-pairs shortest paths?
6. Which algorithm uses a priority queue?
7. Which algorithm uses dynamic programming?
8. Which algorithm repeats relaxation V−1 times?
9. Which MST algorithm sorts all edges first?
10. Which MST algorithm grows from a single node?
11. Which search uses divide and conquer?
12. Which algorithm picks the minimum-weight edges globally?
13. Which algorithm picks the minimum-weight edges from the visited set?
14. Which algorithm uses union–find?
15. Which algorithm updates a distance matrix?

16. Which algorithm uses a greedy approach for the shortest path?
17. Which search has time complexity O(n)?
18. Which search has time complexity O(log n)?
19. Which shortest-path algorithm works with negative edges?
20. Which MST algorithm requires the graph to be connected?
21. Which shortest-path algorithm repeatedly updates a distance table?
22. Which shortest-path algorithm is best for dense graphs?
23. Which shortest-path algorithm is best for sparse graphs?
24. Which MST algorithm works even on disconnected graphs?
25. Which MST algorithm uses global edge selection?
26. Which algorithm stores intermediate shortest paths in a matrix?
27. Which shortest-path algorithm chooses the closest unvisited vertex?
28. Which algorithm initializes distances with infinity?
29. Which algorithm is commonly used in routing protocols?
30. Which shortest-path algorithm improves efficiency using a min-heap?