1.

Algorithim	Time Complexity	Space Complexity	Complete	Optimal
BFS	O(b^d)	O(b^d)	Yes	Yes only if all of the costs are equal
UCS	O(b^(1+C/ε))	O(b^d)	Yes	Yes as long as costs are non negative
DFS	O(b^d)	O(bd)	Yes but only if the graph is finite	No
DLS	O(b^d)	O(bd)	No	No
IDS	O(b^d)	O(bd)	Yes	Yes, only if costs are equal
A*	O(b^d)	O(b^d)	Yes	Yes

d=depth,b=branching factor,DLS the d is actually the limit