2.

1. (6, 4)
2. (6, 3)
3. (6, 5)
4. (7, 5)
5. (8, 5)
6. (8, 6)
7. (8, 7)
8. (8, 8)
9. (7, 8)
10. (6, 6)
11. (5, 4)
12. (4, 4)

4.

1. (6, 4)
2. (5, 4)
3. (6, 5)
4. (6, 3)
5. (4, 4)
6. (6, 6)
7. (7, 5)
8. (3, 4)
9. (4, 5)
10. (8, 5)
11. (2, 4)
12. (4, 6)

The stack is a last in first out type of list; the queue is a first in first out type of list. Because of this noticeable difference, a stack implementation will pop out the very last element pushed in, while a queue implementation will pop out the very first element pushed in. The order in which each possible point will be examined will differ; however in the end, all of the points will be covered.