**2.**  The first 12 (r,c) coordinates popped off the stack by the algorithm are:

(6, 4), (6, 3), (6, 5), (7, 5), (8, 5), (8, 6), (8, 7), (8, 8), (7, 8), (6, 6), (5, 4), (4, 4).

**4.** The first 12 (r,c) coordinates popped from the queue in the queue-based algorithm are:

(6, 4), (5, 4), (6, 5), (6, 3), (4, 4), (6, 6), (7, 5), (3, 4), (4, 5), (8, 5), (2, 4), (4, 6).

The stack-based and queue-based algorithms visit cells in the maze in a different order. This is because when popping off the coordinates, the stack takes the last coordinate added (the top) while the queue takes the first coordinate added (the front).