Problem 2

**1. (6, 4)**

**2. (6, 5)**

**3. (7, 5)**

**4. (8, 5)**

**5. (8, 6)**

**6. (8, 7)**

**7. (8, 8)**

**8. (7, 8)**

**9. (6, 6)**

**10. (5, 4)**

**11. (4, 4)**

Problem 4

**1. (6, 4)**

**2. (5, 4)**

**3. (6, 5)**

**4. (4, 4)**

**5. (6, 6)**

**6. (7, 5)**

**7. (3, 4)**

**8. (4, 5)**

**9. (8, 5)**

**10. (2, 4)**

**11. (4, 6)**

The two algorithms differ from each other because they visit cells in the maze in a different order. The stack pops the cell that was most recently pushed into the stack, and so visits that cell first. Meanwhile, the queue pops the cell that has been in the queue the longest, and so visits that cell first. These two cells are likely to be different from each other since each while iteration can push up to 4 new coordinates into the stack.