```
# Function to add two matrices
def add_matrices(a, b):
    result = [[a[i][j] + b[i][j] for j in range(len(a[0]))] for i in range(len(a))]
    return result

# Function to subtract two matrices
def subtract_matrices(a, b):
    result = [[a[i][j] - b[i][j] for j in range(len(a[0]))] for i in range(len(a))]
    return result

# Function to multiply two matrices
def multiply_matrices(a, b):
    result = [[sum(a[i][k] * b[k][j] for k in range(len(b))) for j in range(len(b[0]))] for i in range(len(a))]
    return result

# Function to transpose a matrix
def transpose_matrix(a):
    result = [[a[j][i] for j in range(len(a))] for i in range(len(a[0]))]
    return result

# Example usage
matrix1 = [[1, 2, 3], [4, 5, 6], [7, 8, 9]]
matrix2 = [[9, 8, 7], [6, 5, 4], [3, 2, 1]]

print("Matrix 1:")
for row in matrix1:
    print(row)
print("Matrix 2:")
for row in matrix2:
    print(row)

print("\nAddition of matrices:")
```

```
for row in add_matrices(matrix1, matrix2):
    print(row)

print("\nSubtraction of matrices:")
for row in subtract_matrices(matrix1, matrix2):
    print(row)

print("\nMultiplication of matrices:")
for row in multiply_matrices(matrix1, matrix2):
    print(row)

print("\nTranspose of matrix 1:")
for row in transpose_matrix(matrix1):
    print(row)
```