

```
import tensorflow as tf

# Define constants
a = tf.constant(5, dtype=tf.float32)
b = tf.constant(10, dtype=tf.float32)

# Square root
sqrt_result = tf.sqrt(a)

# Absolute value
abs_result = tf.abs(a)

# Sine and cosine
sin_result = tf.sin(a)
cos_result = tf.cos(a)

# Matrix multiplication
matrix_a = tf.constant([[1, 2], [3, 4]], dtype=tf.float32)
matrix_b = tf.constant([[5, 6], [7, 8]], dtype=tf.float32)
matrix_mul_result = tf.matmul(matrix_a, matrix_b)

# Reshape
reshaped_matrix = tf.reshape(matrix_a, shape=(1, 4))

data = tf.constant([1, 2, 3, 4, 5], dtype=tf.float32)
sum_data = tf.reduce_sum(data)
mean_data = tf.reduce_mean(data)
max_data = tf.reduce_max(data)
min_data = tf.reduce_min(data)

# Print results
print("Square root:", sqrt_result.numpy())
print("Absolute value:", abs_result.numpy())
print("Sine:", sin_result.numpy())
print("Cosine:", cos_result.numpy())
print("Matrix multiplication:")
print(matrix_mul_result.numpy())
print("Reshaped matrix:")
print(reshaped_matrix.numpy())
print("Sum:", sum_data.numpy())
print("Mean:", mean_data.numpy())
print("Maximum:", max_data.numpy())
print("Minimum:", min_data.numpy())
```

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Square root: 2.236068
Absolute value: 5.0
Sine: -0.9589243
Cosine: 0.2836622
Matrix multiplication:
[[19. 22.]
 [43. 50.]]
Reshaped matrix:
[[1. 2. 3. 4.]]
Sum: 15.0
Mean: 3.0
Maximum: 5.0
Minimum: 1.0
```

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