

Name: \_\_\_\_\_

## Evaluation 1

Introductory Programming  
Fall 2006

1. In the space below, write a MATLAB script that evaluates the following expression. Your script should assume that the values of `mu`, `sigma` and `x` are already set. For full credit you must use at least one variable to store the value of a subexpression.

$$\frac{e^{-\left(\frac{x-\mu}{\sigma\sqrt{2}}\right)^2}}{\sigma\sqrt{2\pi}} \quad (1)$$

2. The following script contains 3 errors. For each error, explain the problem and identify *what kind* of error it is.

```
x = 3;
```

```
y = 4
```

```
z + 1 = y;
```

```
ratio = num / den;
```

```
hypoteneuse = sqrt(x^2 - y^2);
```