The first three digits of your Student Identification Number specify an integer. As your first Input statement to be evaluated, set id equal to the that integer written WITHOUT a decimal point. Thus, if your Student Identification Number were 123-45-6789, you would write and evaluate id = 123 (WITHOUT a decimal point) as your first line of Input. Then, your first Input and Output would look like
```
In[1]         id = 123
Out[1]        123
```

Problem 1. Have MATHEMATICA evaluate the Input statement that is given in terms of typewriter characters by
```
DSolve[y''[t] - 5 y'[t] + 6 y[t] == id*Cos[2t], y[t], t] //Simplify
```
and print the corresponding Output that MATHEMATICA gives in the following space.

```
Output:
```

Problem 2. Print a MATHEMATICA Input statement (in InputForm) as well as the corresponding Output statement for the purpose of using DSolve to find all of the solutions of the differential equation
```
\[ \frac{d^2 y}{dt^2} - 52 \frac{dy}{dt} + 667 y = id \cdot \sin 5t. \]
```

```
Input:
```

```
Output:
```

(End of Quiz)