

Name:

UMS ID:

Note: You must turn in a hardcopy at the beginning of class. Please show all the steps for your work to get maximum points.

Convert the following base 2 numbers to ASCII strings

01101000 01101001

01101000 01110111 00110011

Write what is printed by the following statements.

1.

```
1 for  $i = 0; i < 5; i = i + 1$  do
2   | print  $i$ 
```

2.

```
1 for  $i = 0; i > 5; i = i + 1$  do
2   | print  $i$ 
```

3.

```
1 for  $i = 8; i > 5; i = i + 1$  do
2   | print  $i$ 
```

4.

```
1 for  $i = 70; i \leq 73; i = i + 1$  do
2   | print  $i$ 
```

5.

```
1 for  $i = 1; i \leq 6; i = i + 1$  do
2   | if  $i > 4$  then
3     | | print  $i$ 
```

6.

```
1  $i = 1$ 
2 while  $i \leq 6$  do
3   if  $i > 4$  then
4      $\lfloor$  print  $i$ 
5   else
6      $\lfloor$  print "Hello"
7    $\lfloor$   $i = i + 1$ 
```

7.

```
1 for  $i = 1; i \leq 6; i = i + 1$  do
2    $\lfloor$  print  $(7 - i)$ 
```

8.

```
1 for  $i = 1; i \leq 3; i = i + 1$  do
2   for  $j = 1; j \leq 3; j = j + 1$  do
3      $\lfloor$  print  $(j - i)$ 
```
