CSCE 330 Fall 2003

QUIZ 9

Assigned Tuesday, 03-10-07

1. Match the SIMPLESEM instructions

   (a) set 10, D[20]

   (b) set D[10], D[20]

   to the following descriptions:

   (a) store the value in the 21st cell of data memory into the cell of data memory whose address is contained in the 11th cell of data memory

   (b) store the value in the 21st cell of data memory into the 11th cell of data memory.

   Answer: 1-2, 2-1.

2. What does the following program do?

```
main()
{
  int i,j;
  get(i,j);
  while (i!=j)
    if (i > j)
      i -= j;
    else
      j -= i;
  print(i);
}
```

   Answer: It computes the greatest common divisor (GCD) of i and j.