## Quiz 3

## 13 December 2011

| 1. | Why do we use <i>pseudo-code</i> to document an algorithm, rather than a natural language |
|----|---|
|    | like English or a programming language like Python?                                       |

2. Carefully trace the following algorithm. What does it output?

```
1. Let N be 8
```

- 2. Set I to 1
- 3. If I > N then stop.
- 4. If I < 4 or I is odd, then output I
- 5. Set I to I+1
- 6. Go back to step 3.

3. Give an example of each kind of pseudo-code instruction. (Use the algorithm above for reference.)

- a. Input/output:
- b. Variable assignment:
- c. Conditional:
- d. Loop: