

Quiz #1

Name: _____ Marker's
name: _____

Instructions to student: Write your answers in the space provided and leave the right column blank. You must write your answers only in pen.

Instructions to marker: Write only in the right column, and clearly indicate the mark you believe is deserved. Award 1 full mark if answer is fundamentally correct, 0 marks otherwise (no $\frac{1}{2}$ marks).

Consider the following statement about CSC 165 students:

For marking only:

- | | |
|--|--|
| (1) All perfectionists are quiet. | |
| a. Write (1) symbolically, using P, Q and S appropriately. | 1 mark: correctness |
| b. Draw a Venn diagram for (1) and shade <i>all</i> regions that <i>could</i> contain a counterexample to (1). | 2 marks:
1 for Venn diagram,
1 for shading |
| c. Suppose a student named Richard is <i>not</i> quiet. Assuming (1) is true, is Richard a perfectionist? Justify briefly. | 1 mark: correctness |
| d. Write the contrapositive of (1) in natural English. | 1 mark: correctness |

Total: _____