| Name: | Student#: | Date: | |
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COMP 2711: Discrete Mathematical Tools for Computer Science

In Class Exercise #2

- 1. Which of the following statements (in which Z^+ stands for the positive integers and Z stands for all integers) is true and which is false? Don't forget to explain why.
 - a) $\forall z \in Z^+(z^2 + 6z + 10 > 20)$ b) $\forall z \in Z, (z^2 z \ge 0)$ c) $\exists z \in Z^+, (z z^2 > 0)$

 - d) $\exists z \in Z, (z^2 z = 6)$

Answer:

a)

b)

c)

d)