**Yuan Gao z5239220 Q5**

Determine if or or both (i.e., ) or neither of the two, for the following pairs of functions

(a) ,

(b),

(c) ,

1. When , there are for all

Therefore,

1. When , there are for all

Therefore,

Hence,

)

When , there are for all

Therefore,

1. If is odd,

,

When , there are for all

Therefore,

1. If n is even,

,

When , there are for all

Therefore,