e1

9. Consider the following statement:

$\forall$ basketball players x, x is tall.

Which of the following are equivalent ways of expressing this statement?

(a) Every basketball player is tall.
~~(b)~~ Among all the basketball players, some are tall.
~~(c)~~ Some of all the tall people are basketball players.
~~(d)~~ Anyone who is tall is a basketball player.
(e) All people who are basketball players are tall.
(f) Anyone who is a basketball player is a tall person.

a, e, f

10. Is the following argument valid?
For all students x, if x studies discrete mathematics, then x is good at logic.
Henry is good at logic.
$\therefore$ Henry studies discrete mathematics.

Not Valid.

It is the converse error

$p \to q$
q
$\therefore p$