Logic Worksheet 4

TV	36 1 (6 6 7)
Your name:	Mark (out of 5):
Logic class (A–F):	
Logic class tutor:	
Read §§17–24 of forall <i>x</i> :Cambridge, then complete the following are marked with a '*'; techniques to answer these will be covered before the worksheet is due.	
Self-marked exercises	
Do the following practice exercises from forall <i>x</i> :Cambridge.	
§18 Part B§19§21 Part A questions 2, 4, 6, 8, 9, 10	
When you have completed these, carefully check your answers a able at www.nottub.com/forallx.shtml. Correct your own work review. In the box below, write something that you now firmly doing these exercises:	in red, for the marker to
Understand:	
And in this box, write something that you want to know more a	bout:
Want more about:	

Further exercises

A. Using the following symbolisation key:

Symbolise the following English sentences in FOL as best you can. Be warned that they are deliberately fiddly:

- 1. A mouse is on a stair
- 2. The mouse is on a stair
- 3. A mouse is on the stair
- 4. The mouse is on the stair
- 5. The mouse with clogs on is on the stair
- 6. The mouse on the stair has clogs on

Explain why you must give different answers to 5 and 6.

B. * Do §23 Part D questions 2, 4, 6, 7, 9