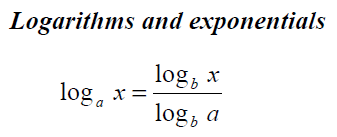
**End of Chapter Test: Exponentials and Logarithms – C2 Chapter 3**



Excerpt from formula book that you may find useful:

1. Sketch the graph of , showing clearly the coordinates of any intersections with the axes. State also the equations of any asymptotes. (3)



1. Evaluate



You must give a reason for each answer to get the mark. (2)

1. Simplify as far as possible



You must show your working. (7)

1. Solve the following equations. Give your answers to 3 significant figures where appropriate.
   1. (2)



* 1. (4)



* 1. (4)



* 1. (5)



* 1. (4)



* 1. (5)



1. Show that
   1. (2)



* 1. (2)



Total: 40 marks