**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