Question number	Scheme	Marks
5 (a)	x | 0 | 0.25 | 0.5 | 0.75 | 1 y | 0.14 | **0.29** | **0.61** | **1.28** | 2.72	first B1 2 values correct second B1 all 3 values correct [2]
(b)	Each point plotted correctly within the correct small square Smooth curve through the points	B1ft B1ft [2]
(c)	$e^{3x-2} = 3 - x$ $y = 3 - x$ 0.9	M1 M1 A1ft [3]
		Total 7 marks

Part	Mark	Additional Guidance
(a)	B1	SC1 – allow 0.29 and/or 0.61 to be truncated to 0.28 and/or 0.60 with 1.28 correct to gain this mark OR for all three values correct but given to greater than 2 decimal places
	B1	For all 3 values rounded correctly as shown.
(b)	B1ft	ft the correct plotting of their points.
	B1ft	ft a curve "sensibly" plotted through their points, need not have the correct shape. Must pass through all of the points they have plotted. Minimum 4 points.
(c)	M1	Rearranges the equation must be of form $e^{3x\pm2} = 3 - x$
	M1	$y = 3 - x$ drawn correctly on the graph paper. Passing through the points (0,3) and (1,2) as a minimum.
	A1ft	"0.9" must be given to 1 decimal place. Not as part of a coordinate. Follow through an appropriately shaped curve (or line segments) and correct $y = 3 - x$. With answer given to 1 decimal place.