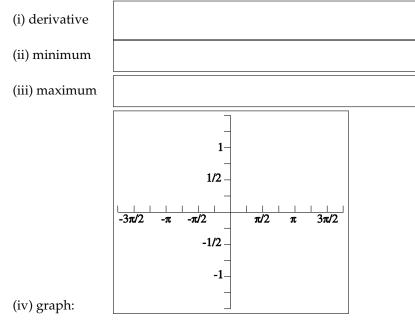
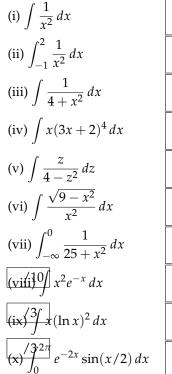
P101 Coursework 3

Name:

Fill in the final answer in the boxes on this sheet. Make sure that you attach this page, containing your **name**, as well as your final answers, to your worked answers. Staple all pages together and do not use red ink. Please return this assessment before Tuesday 3 December, 2pm, in the departmental office, room H15.

1. Differentiate $f(t) = \sqrt{1 + 2\cos^2 \omega t}$ w.r.t. *t*. Now find the minimum and maximum for *t* between 0 and $\pi/(2\omega)$. Sketch the curve.





/3

