1. p43e03 - Utiliza la regla de Barrow para calcular :

   (a) $\int_0^3 \left(3x^2-6\right)\,dx$

   Sol: 9 $(F(x)=x^3-6x)$

   (b) $\int_1^2 \frac{1}{x}\,dx$

   Sol: $\log(2)$ $(F(x)=\log(x))$

   (c) $\int_0^1 \frac{5}{7x^2+7}\,dx$

   Sol: $\frac{5\pi}{28}$ $(F(x)=\frac{5\operatorname{atan}(x)}{7})$

   (d) $\int_2^3 \frac{1}{x\log(x)}\,dx$

   Sol: $\log\left(\frac{\log(3)}{\log(2)}\right)$ $(F(x)=\log(\log(x)))$

   (e) $\int_{\frac{\pi}{2}}^{2\pi} \sin^5(x)\cos(x)\,dx$

   Sol: $-\frac{1}{6}$ $(F(x)=\frac{\sin^6(x)}{6})$

   (f) $\int_2^5 e^x x\,dx$

   Sol: $-e^2+4e^5$ $(F(x)=(x-1)e^x)$