3 Solve the inequality $|5x+4| \leqslant |2x-3|$. [4]

4 $y = \dfrac{\sec^2 5x - \tan^2 5x}{\operatorname{cosec} 5x}$

Show that $y = a\sin bx$, where a and b are integers, and hence find the value of $\displaystyle\int_0^{\frac{\pi}{5}} y \, \mathrm{d}x$. [4]

© UCLES 2023