3   The equation of a curve is $y = \dfrac{2}{\sqrt{(5x-6)}}$.

   (i) Find the gradient of the curve at the point where $x = 2$. [3]

   (ii) Find $\displaystyle\int \dfrac{2}{\sqrt{(5x-6)}}\,\mathrm{d}x$ and hence evaluate $\displaystyle\int_{2}^{3} \dfrac{2}{\sqrt{(5x-6)}}\,\mathrm{d}x$. [4]