9 Given that $y = \dfrac{(5x+2)^{\frac{1}{3}}}{(x-1)^2}$, show that $\dfrac{\mathrm{d}y}{\mathrm{d}x}$ can be written in the form $\dfrac{-(Ax+B)}{3(5x+2)^{\frac{2}{3}}(x-1)^3}$, where A and B are integers. [5]