21 Use the substitution $u = x^2 + 5x - 3$ to determine $\int \frac{(6x+15)(x^2+5x)}{\sqrt{x^2+5x-3}} \mathrm{d}x$.

Give your answer in the form $a(x+b)(x+c)\sqrt{x^2+5x-3}+k$, where a, b and c are constants to be determined. **[7]**