

$$\begin{aligned}
\frac{5s+11}{(s+3)(s+1)} &= \frac{A}{s+3} + \frac{B}{s+1} \\
5s+11 &= A(s+1) + B(s+3) \\
&= As + A + Bs + 3B
\end{aligned}$$

How do i now find A and B? I seem to remember something like mathching up the s's and the constants to get the numbers. Something like $5S = As + Bs$ and $A + 3B = 11$
Can you remember???