$$
\text { Express } \frac{13-2 x}{(2 x-3)(x+1)} \text { in partial fractions. }
$$

2. 

$$
\mathrm{f}(x)=\frac{4-2 x}{(2 x+1)(x+1)(x+3)}=\frac{A}{2 x+1}+\frac{B}{x+1}+\frac{C}{x+3}
$$

Find the values of the constants $A, B$ and $C$.
3.

$$
f(x)=\frac{27 x^{2}+32 x+16}{(3 x+2)^{2}(1-x)}
$$

Given that $\mathrm{f}(x)$ can be expressed in the form

$$
\mathrm{f}(x)=\frac{A}{(3 x+2)}+\frac{B}{(3 x+2)^{2}}+\frac{C}{(1-x)},
$$

find the values of $B$ and $C$ and show that $A=0$.

