## Hint for Problem 218

To have

$$
\frac{a x+b}{\left(x-r_{1}\right)\left(x-r_{2}\right)}=\frac{c}{x-r_{1}}+\frac{d}{x-r_{2}}
$$

we must have

$$
c x-r_{2} c+d x-r_{1} d=a x+b
$$

