$\frac{2\left(a-b\right)3b^{2}}{b\*\left(a-b\right)\*(a+b)}$ = $\frac{6b^{2}}{b\*(a+b)}$

$\frac{6b^{2}}{b\*(a+b)}$+ $\frac{6a}{a+b}$ = $\frac{6b^{2}+ 6a^{2}}{b\*(a+b)}$ = B