**4A Roots of Quadratics**

1. The roots of the quadratic equation $2x^{2}-5x-4=0$ are $α$ and $β$. Without solving the equation, find the values of:
2. $α+β$
3. $αβ$
4. $\frac{1}{α}+\frac{1}{β}$
5. $α^{2}+β^{2}$
6. The roots of the quadratic equation $ax^{2}+bx+c=0$ are $α=-\frac{3}{2}$ and $β=\frac{5}{4}$. Find integer values for $a$, $b$ and $c$.