

23.6.2020 (H.W)

Q1. If $\frac{\sqrt{3}-1}{\sqrt{3}+1} = a + b\sqrt{3}$, find 'a' and 'b'

Q2. If $a = 7 - 4\sqrt{3}$, find $\sqrt{a} + \frac{1}{\sqrt{a}}$.

Q3. If $\frac{7+3\sqrt{5}}{3+\sqrt{5}} - \frac{7-3\sqrt{5}}{3-\sqrt{5}} = a + \sqrt{5}b$

find 'a' and 'b'.