Triplicate and Sub-Triplicate Ratios

(1) Triplicate ratio of a:b is $a^3 : b^3$.

(2) Sub= triplicate ratio of a:b is $\sqrt[3]{a} : \sqrt[3]{b}$.

Question 1: Find the triplicate ratio of 2 : 5
Solution: triplicate ratio is 8 : 125

Question 2: Find the triplicate ratio of $\sqrt{6}$: $\sqrt{3}$
Solution: triplicate ratio is $6\sqrt{6}$: $3\sqrt{3}$

Question 3: Find the triplicate ratio of $3\sqrt{2}$: 5
Solution: triplicate ratio is $54\sqrt{2}$: 125

Question 4: Find the sub - triplicate ratio of 27 : 64
Solution: sub - triplicate ratio is 3 : 4 .

Question 5: Find the sub - triplicate ratio of 1000 : 125
Solution: sub - triplicate ratio is 10 : 5 = 2 : 1