

30. Cube root of 343 is _____
31. $\sqrt{-1}$ does not exist in the set of _____
32. $8^{-2/3} =$ _____
33. $32^{-1/5} =$ _____
34. If $2^x = 100$ then $2^{x+3} =$ _____
35. $(-1)^n =$ _____
36. If $a = 4, b = 5$ then $\frac{a^b}{b^a} =$ _____
37. If $x = (a^m)^n, y = (a^n)^m$ then the relation between x and y is _____
38. $(1024)^{0.3} =$ _____
39. $\sqrt{3} \times \sqrt{6} \times \sqrt{2} =$ _____
40. If $3^{x+2} = 18$ then $3^x =$ _____
41. If $256^x = \sqrt{2}$ then $x =$ _____