

1.1.15 - corrigé

a) $(\sqrt[4]{16})^3 = 2^3 = 8$

b) $(5 + \sqrt{16})^{\frac{1}{2}} = (5 + 4)^{\frac{1}{2}} = \sqrt{9} = 3$

c) $4 \cdot (\sqrt{25})^3 = 4 \cdot 5^3 = 4 \cdot 125 = 500$

d) $(\sqrt{100})^3 = 10^3 = 1'000$

e) $19 - \sqrt[3]{27} = 19 - 3 = 16$

f) $\sqrt[3]{-8} = -\sqrt[3]{8} = -2$

g) $\sqrt[5]{-32} = -\sqrt[5]{32} = -2$

h) $(2^5)^{-\frac{1}{5}} = 2^{-1} = \frac{1}{2}$