

§ 8.3 立方の逆関数

問題 8.3

$$(1) \quad \sqrt[3]{125} = \sqrt[3]{5^3} = 5 .$$

$$(2) \quad \sqrt[3]{-27} = \sqrt[3]{(-3)^3} = -3 .$$

$$(3) \quad \sqrt[3]{-2}^9 = \sqrt[3]{-2}^{3 \cdot 3} = (\sqrt[3]{-2}^3)^3 = (-2)^3 = -8 .$$