

Simplifying nth Roots #3

Simplify completely

1) $\sqrt[4]{32x^9y^4}$

2) $\sqrt[5]{-32x^5y^{12}}$

3) $2\sqrt[3]{128} - 3\sqrt[3]{16}$

4) $\sqrt[3]{24x^3y^3} + 5y\sqrt[3]{3x^3}$

5) $\sqrt[3]{\frac{27}{8}}$

6) $\sqrt[3]{x^4} \cdot \sqrt[3]{x^5}$