Simplify Radical Expressions—Part 1

Simplify the following:

$\sqrt{12}$ $\sqrt{98}$ $\sqrt{150}$

$\sqrt[3]{40}$ $\sqrt[3]{54}$ $\sqrt[3]{240}$

$\sqrt[4]{48}$ $\sqrt[4]{240}$

$\sqrt{x^3 y^2}$ $\sqrt[3]{x^3 y^2}$

$\sqrt[4]{x^4 y^5 z^6}$ $\sqrt[4]{x^{100} y^{52} z^{31}}$