

Poenostavite.

$$(48x^3)^{\frac{1}{2}} \cdot (3x^4)^{\frac{1}{2}} : x^{\frac{1}{2}} - (27x^9)^{\frac{1}{3}}$$

$$48^{\frac{1}{2}} x^{\frac{3}{2}} \cdot 3^{\frac{1}{2}} x^{\frac{4}{2}} : x^{\frac{1}{2}} - 27^{\frac{1}{3}} x^{\frac{9}{3}}$$

$$(48 \cdot 3)^{\frac{1}{2}} (x^{\frac{3}{2}} \cdot x^{\frac{4}{2}} : x^{\frac{1}{2}}) - 27^{\frac{1}{3}} x^3$$

$$144^{\frac{1}{2}} x^3 - 27^{\frac{1}{3}} x^3 = 12x^3 - 3x^3 = \underline{\underline{9x^3}}$$