

March 13, 2015

#7) $\sqrt[3]{54xy^5} \cdot \sqrt[3]{4x^2y}$

$\sqrt[3]{27 \cdot 2 \cdot x \cdot (y^3) \cdot y^2} \cdot \sqrt[3]{4x^2y}$

$3y \sqrt[3]{2xy^2} \cdot \sqrt[3]{4x^2y}$

$3y \sqrt[3]{8x^3y^3}$

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

$3 \cdot y \cdot 2 \cdot x \cdot y$

$6xy^2$

Mar 13-10:54 AM

#16)

$\sqrt{x^3} \cdot \sqrt[3]{x^2} \cdot \sqrt[6]{x^5}$

$x^{3/2} \cdot x^{2/3} \cdot x^{5/6}$

$\frac{3}{2} + \frac{2}{3} + \frac{5}{6} = \frac{9+4+5}{6} = \frac{18}{6} = 3$

x^3

x^3

Mar 13-11:31 AM