
c. $\sqrt[3]{a^{6} b^{9}}$


$$
a \cdot a \cdot b \cdot b \cdot b
$$



Simplifying Radicals Using Product Rule


$$
\sqrt[n]{a} \cdot \sqrt[n]{b}=\sqrt[n]{a \cdot b}
$$

${ }^{2)} \mid \sqrt[3]{36} \cdot 12 \sqrt[3]{3}$


More Practice Multiplying Radicals p. 9
3)


6)


$$
4 \sqrt{36 x^{4} \cdot 3 x}
$$




26


$$
4.3 \cdot x \sqrt[3]{2 \cdot 2 \cdot x \cdot x}
$$

$$
12 x \sqrt[3]{4 x^{2}}
$$

p. 9
7) $\sqrt[3]{25 n^{4}} \cdot \sqrt[3]{5 n^{3}}$
8) $\sqrt[4]{18 m^{4}} \cdot \sqrt[4]{27 m}$

# Homework - Worksheet \#1-6 

In class tomorrow \#7-20

This will be due by the end of class tomorrow!

