



Warm Up Simplify, so that all exponents are positive.

1)
$$\frac{(8x^{-3}y^{5})^{2}}{x^{6}y} = \underbrace{8^{2}x^{-3}y^{6}}_{(-2x^{-5}y^{3})^{-3}} = \underbrace{-\frac{\chi^{15}}{8y^{9}}}_{(-2x^{-5}y^{3})^{-3}} = \underbrace{-\frac{\chi^{15}}{8y^{9}}}_{(-2x^{-5}y^{3})^{-3}}_{(-2x^{-5}y^{3})^{-3}} = \underbrace{-\frac{\chi^{15}}{8y^{9}}}_{(-2x^{-5}y^{3})^{-3}}_{(-2x^{-5}y^{3})^{-3}} = \underbrace{-\frac{\chi^{15}}{8y^{9}}}_{(-2x^{-5}y^{3})^{-3}}_{(-2x^{-5}y^{3})^{-3}} = \underbrace{-\frac{\chi^{15}}{8y^{9}}}_{(-2x^{-5}y^{3})^{-3}}_{(-2x^{-5}y^{3})^{-3}}_{(-2x^{-5}y^{3})^{-3}} = \underbrace{-\frac{\chi^{15}}{8y^{9}}}_{(-2x^{-5}y^{3})^{-3}}_{(-2x^{-5}y^{3})^{-3}}_{(-2x^{-5}y^{3})^{-3}}_{(-2x^{-5}y^{3})^{-3}}_{(-2x^{-5}y^{3})^{-3}}_{(-2x^{-5}y^{3})^{-3}}_{(-2x^{-5}y^{3})^{-3}}_{(-2x^{-5}y^{3})^{-3}}_{(-2x^{-5}y^{3})^{-3}}_{(-2x^{-5}y^{3})^{-3}}_{(-2x^{-5}y^{3})^{-3}}_{(-2x^{-5}y^{3})^{-3}}_{(-2x^{-5}y^{3})^{-3}}_{(-2x^{-5}y^{3})^{-3}}_{(-2x^{-5}y^{3})^{-3}}_{(-2x^{-5}y^{3})^{-3}}_{(-2x^{-5}y^{3})^{-3}}_{(-2x^{-5}y^{3})^{-3}}_{(-$$

3)
$$\sqrt[3]{-64a^{42}}$$
 4) 5) $\sqrt[4]{16x^{36}y^{48}}$ $-4a^{14}$ $-9c^{12}d^{32}$ $2\chi^9y^{12}$

Jan 19-10:43 AM

Simplify completely. Compare your answer with a person sitting next to you.

A
$$2\sqrt{3}x^{13}$$

B $3\sqrt{2}x^{13}$

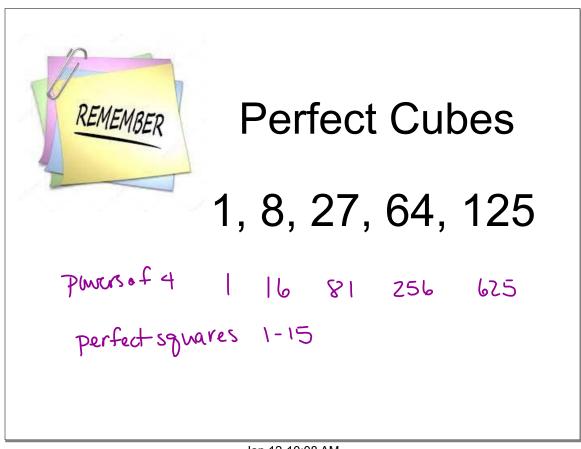
C $2x^6\sqrt{3}x$

D $3x^6\sqrt{2}x$
 $\sqrt{2}x$
 $\sqrt{2}x$
 $\sqrt{2}x$
 $\sqrt{2}x$
 $\sqrt{2}x$
 $\sqrt{2}x$
 $\sqrt{2}x$
 $\sqrt{2}x$
 $\sqrt{3}x^{13}$

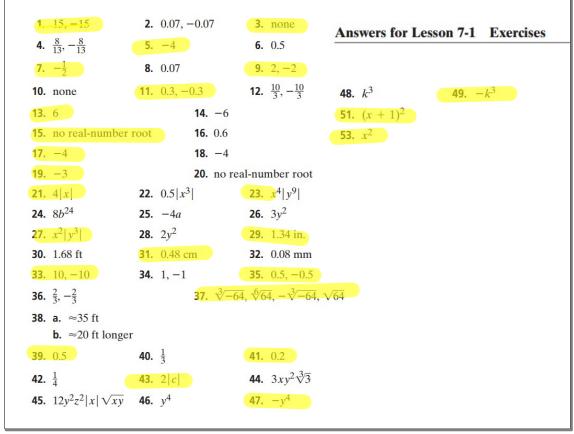
C $2x^6\sqrt{3}x$

D $3x^6\sqrt{2}x$
 $\sqrt{2}x$
 $\sqrt{2}x$

Jan 10-2:56 PM



Jan 12-10:08 AM



Jan 8-2:14 PM

7.2 Multiplying and Dividing Radical Expressions

Objective:

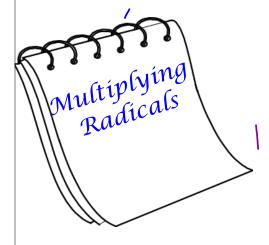
to understand and correctly apply the rules for multiplying and dividing radical expression

Jan 18-12:42 PM

7.2 Multiplying and Dividing Radical Expressions

$$\sqrt{9} \cdot \sqrt{4} = 3 \cdot 2 = 6$$

same as..... $\sqrt{9.4} = \sqrt{36} = 6$



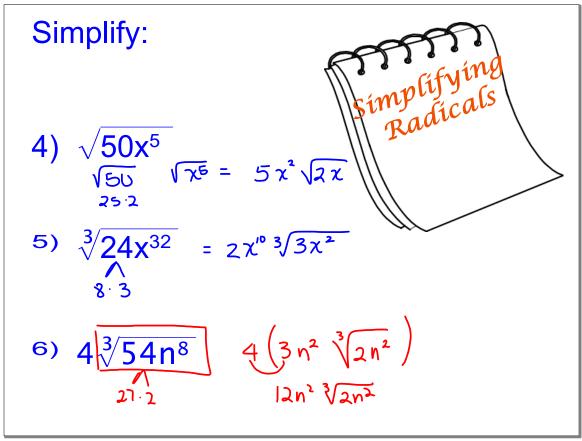
1)
$$\sqrt{2} \cdot \sqrt{8} = \sqrt{2 \cdot 8} = \sqrt{6}$$

2)
$$\sqrt[3]{-16} \cdot \sqrt[3]{4} = \sqrt[3]{-16\cdot 4} = \sqrt[3]{-16}$$

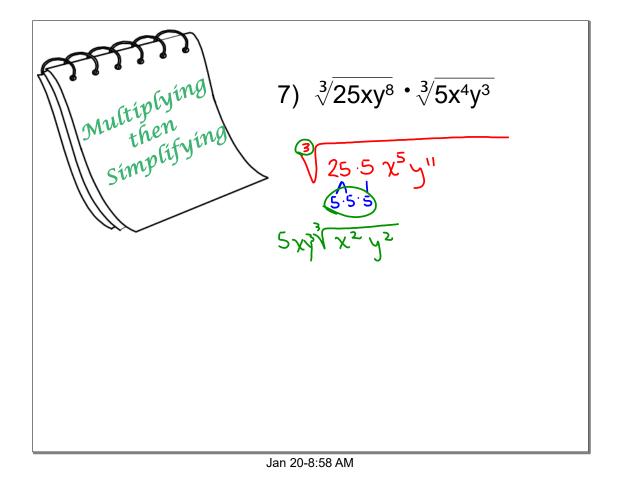
2)
$$\sqrt[3]{-16} \cdot \sqrt[3]{4} = \sqrt[3]{-16\cdot 4} = \sqrt[3]{-64} = -4$$

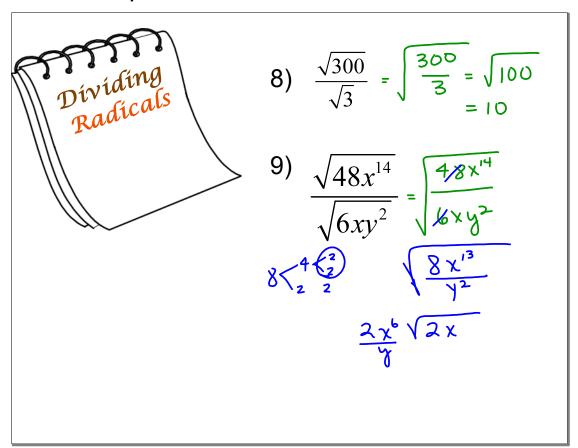
3) $\sqrt[4]{4\cdot 4} = \sqrt[4]{-64} = -4$

Jan 19-11:07 AM

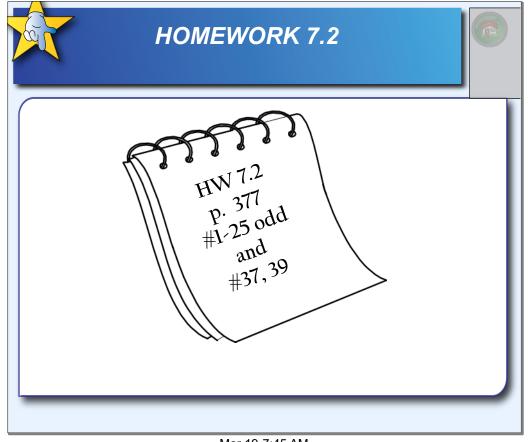


Jan 20-8:55 AM

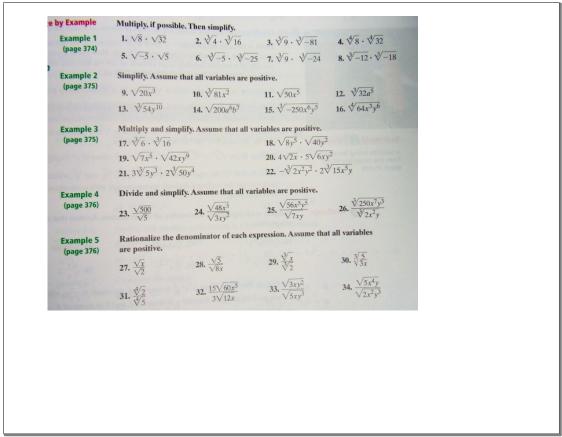




Jan 20-12:22 PM



Mar 19-7:45 AM



Jan 18-2:31 PM