

Table of Contents

Intro to 11-6.....#

Objective:
Simplify radical expressions with even exponents

Review:

$\sqrt{20}$
 $\sqrt{\frac{4 \cdot 5}{2 \cdot 5}}$

$-6\sqrt{44}$
 $-6 \cdot \sqrt{4 \cdot 11}$
 $-6 \cdot 2 \sqrt{11}$
 $-12\sqrt{11}$

Feb 14-2:51 PM

$\sqrt{x^2}$
 x

$\sqrt{25x^2}$
 $5x$

$\sqrt{100x^4}$
 $10x^2$

$-2\sqrt{36x^8}$
 $-2 \cdot 6x^4$
 $-12x^4$

Feb 14-2:53 PM

$5\sqrt{49x^6y^5}$
 $5 \cdot 7x^3y^5$
 $35x^3y^5$

$-\sqrt{12x^6y^5z^2}$
 $-1x^3y^5z$



$\frac{1}{2}\sqrt{8x^{14}h^8}$
 $\frac{1}{2} \cdot \sqrt{4 \cdot 2 \cdot x^{14} \cdot h^8}$
 $\frac{1}{2} \cdot 2$
 $x^7h^4\sqrt{2}$

$-3\sqrt{50x^4}$
 $-3 \cdot \sqrt{25 \cdot 2 \cdot x^4}$
 $-3 \cdot 5x^2\sqrt{2}$
 $-15x^2\sqrt{2}$

Feb 14-3:00 PM

$5y\sqrt{x^2} - 2x\sqrt{y^2}$
 $5xy - 2xy = 3xy$
 $3a+6a = 9a$
 $(\sqrt{25})(\sqrt{4}) = \sqrt{100}$
 $5 \cdot 2 = 10$
 10

$2\sqrt{25} + 3\sqrt{4}$
 $2 \cdot 5 + 3 \cdot 2$
 $10 + 6$
 16
 $\sqrt{7} \cdot \sqrt{7} = \sqrt{49}$
 7

Feb 14-3:27 PM

Simplifying Radicals WS #2

$\sqrt{16n^{16}}$
 $4n^8$

$\sqrt{5a^2b^2}$
 $ab\sqrt{5}$

Feb 14-3:21 PM