

In This Unit:

- 1. Simple Radicands
- 2. Rationalize the Denominator

No Bellwork 02/23/2012

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Simple Radicands
Simplify the radical expression in radical form (no decimal
allswers). 48 48
148
V16 J3 412
453 618
15 75
V/3 1/3
V25.3 515
J25 J3 (325)
513
-
√125
125.5
125.5
$\int \frac{7}{16} = \frac{1}{16} = \frac{1}{16} = \frac{1}{16}$
16 4
<u>[</u>
16
80 80
80 K V 15 = J 45
14
Va
$\frac{4}{\sqrt{14}}$ $\frac{4}{\sqrt{14}}$
10 - 3
09
48 4 24
190 g 0. J9
्षि –
Vq 8. <u>Ja4</u>
र्ष २
Ja= 2
3 8. 12
5
8 54 16
-3_
a. 2. 56
0 - 3
16 16 11
1016



Lesson 8.1

Rationalize the Denominator

What You Need to Know:

Sometimes there are square roots in the denominator we just can't get rid of!

Identity Property: $\sqrt{a} \sqrt[4]{a} = a$

Multiply the denominator by itself and it gets rid of the square root!

If you multiply the bottom by a number, you have to multiply the

To Rationalize the Denominator:

- 1. Simplify if possible (fraction)
- 2. Separate using quotient property
- 3. Multiply both top and bottom by the square root in the denominator
- 4. Simplify if possible





Lesson 8.1

