

also equil to: -1502 150 equil to: -1 (-12) the radicands! -15 52 +30 -253 +256 12 $\frac{5}{\sqrt[3]{32}} \cdot \frac{3}{\sqrt[3]{32}} = \frac{5}{\sqrt[3]{52}}$ $\frac{5}{\sqrt[3]{64}}$ $\frac{5}{\sqrt[3]{22}} \cdot \frac{5}{\sqrt[3]{64}}$ $\frac{5}{\sqrt[3]{22}} \cdot \frac{5}{\sqrt[3]{64}}$ $\frac{5}{\sqrt[3]{64}} \cdot \frac{1}{\sqrt[3]{64}}$ $\frac{5}{\sqrt[3]{64}} \cdot \frac{1}{\sqrt[3]{64}} \cdot \frac{1}{\sqrt[3]{64}}$ $\frac{5}{\sqrt[3]{64}} \cdot \frac{1}{\sqrt[3]{64}} \cdot \frac{1}$ $\frac{\sqrt[3]{7}}{\sqrt[3]{2}} \cdot \frac{\sqrt[3]{4}}{\sqrt[3]{4}} = \frac{\sqrt[3]{28}}{\sqrt[3]{8}} = \frac{\sqrt[3]{28}}{\sqrt[3]{8}} = \frac{\sqrt[3]{28}}{\sqrt{2}}$ $\frac{\frac{18\sqrt{24}}{6\sqrt{3}}}{\frac{3\sqrt{4}}{6\sqrt{3}}} = \frac{3\sqrt{8}}{3\sqrt{4}\cdot 2}$ $= \frac{3\sqrt{4}\cdot 2}{3\cdot 2\sqrt{2}}$ $= 6\sqrt{2}$ You may divide radicals that have the same index. You may multiply radicals that have the same index. $\frac{2}{\sqrt{5}} \cdot \frac{\sqrt{5}}{\sqrt{5}} = \frac{2\sqrt{5}}{5}$ If this is the case, simplify the coefficients and simplify the radicands.

4,52 (5+ 4,5) (5+ 4,5) 5-4/32 (34 105) = <u>2012 + 165</u> 25+303-303 -6;3

 $= 20.12 + 16\sqrt{2}$ -23 (DR: -20.12 - 16.52) 23

Rationalize the denominator, if necessary.



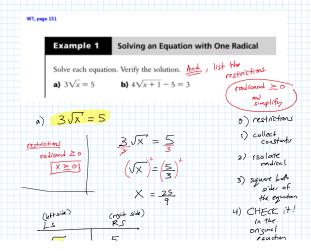
f this is the case, multiply the coefficients and multiply the radicands.

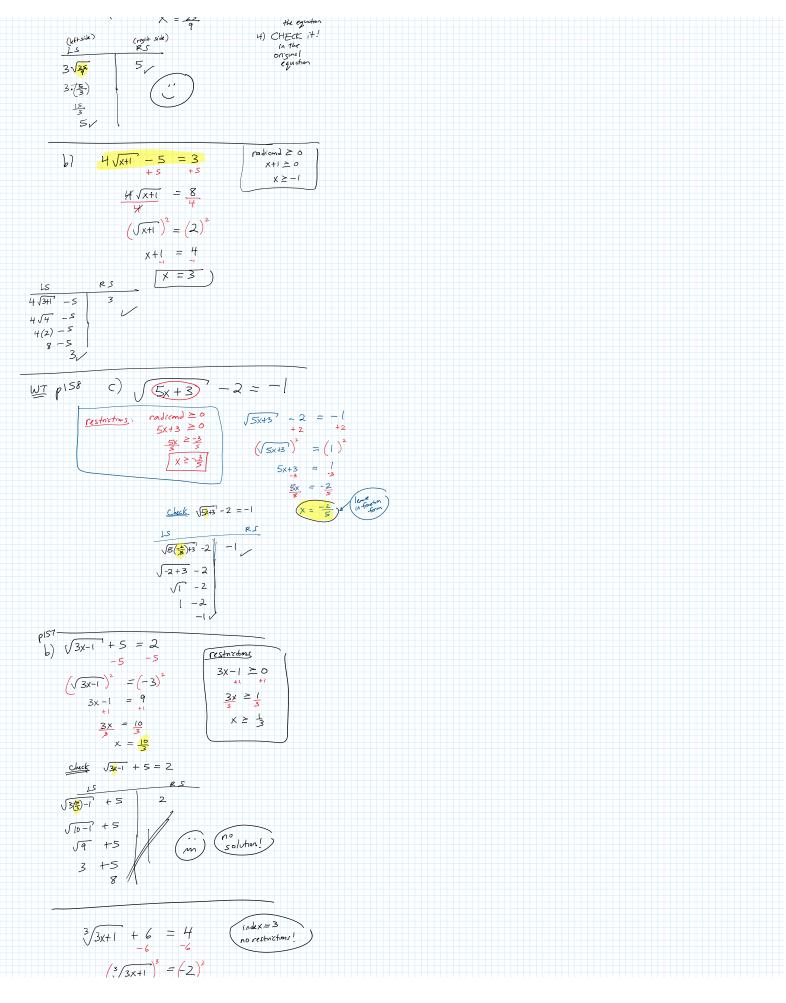
Simplify.

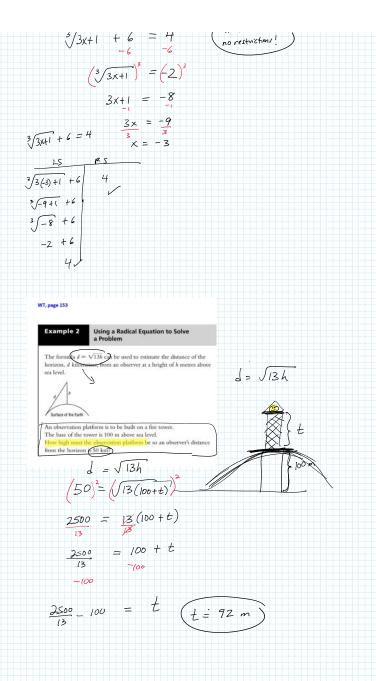
simpler syle of type of equation:	4x+5 = x+17	1) collect all
equation	$H_X = X + JZ$	constants
	3x = 12	2) collect our "x" terms
	× = 4	3) isolate "x"
		its right

Preview 7

Need practice with solving equations? Here's a hand-out with answers (not solutions)







For next class

- Complete the two "Recaps" from tonight!
- Finish worktext questions for all of Chapter 2
- Complete the Chapter 2 Hand-in, due next class
- Prepare for the Chapter 2 Test, next class
- 4 multiple-choice questions
 - 10 written questions
 - Out of 20 marks total
 - You will be permitted to use both the foldables (Exponent Rules and Rationals) during the test
- Prepare for the Unit 1 Test, next Thursday
 - Includes concepts from Chapter 1 and Chapter 2
 - Out of 30-35 marks, something like that
 - You will be permitted to use both the foldables (Exponent
 - Rules and Rationals) during the test