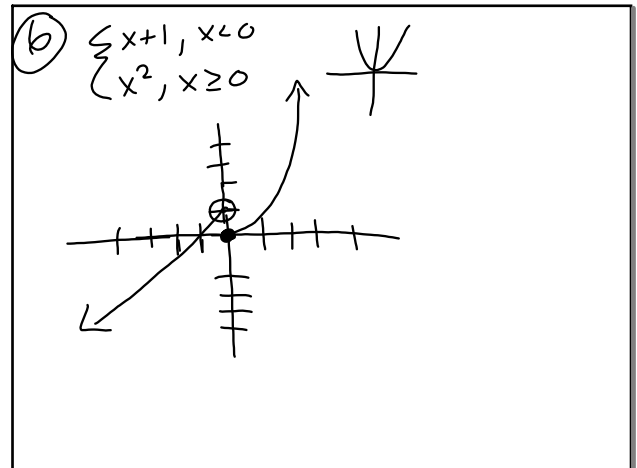
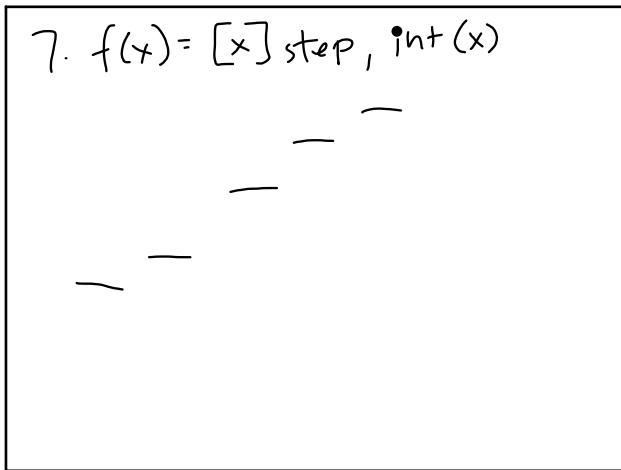


- 2.1 Exponents Quiz
- Objective: Demonstrate understanding of simplifying radicals by scoring a 3 out of 5 on the 2.2 Simplifying Radicals quiz and 80% on the homework worksheet.
- Homework Questions
- 2.2 Simplifying Radicals
- Homework 2.2 Simplifying Radicals

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Homework Questions

(26)

$$\left(\frac{x^{\frac{1}{2}}}{x^{\frac{1}{2}}} \right)^{-\frac{3}{2}}$$

$$\frac{x^{\frac{1}{2} \cdot -\frac{3}{2}}}{x^{-\frac{1}{2} \cdot -\frac{3}{2}}} = \frac{x^{-\frac{3}{4}}}{x^{\frac{3}{4}}}$$

$$x^{-\frac{3}{4} - \frac{3}{4}} = x^{-\frac{6}{4}}$$

$$x^{-\frac{6}{4}} = \frac{1}{x^{\frac{6}{4}}} = \frac{1}{x^{\frac{3}{2}}}$$

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$$\begin{array}{r} 8x - 5 = 15x + 1 \\ -8x + 5 \quad -8x + 5 \\ \hline 0 = 7x + 6 \end{array}$$

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(25)

$$\left(\frac{n^{-\frac{1}{2}}}{n^{\frac{3}{2}}} \right)^{-1}$$

$$\frac{n^{-\frac{1}{2} \cdot -1}}{n^{\frac{3}{2} \cdot -1}} = \frac{n^{\frac{1}{2}}}{n^{-\frac{3}{2}}} = n^{\frac{1}{2} - (-\frac{3}{2})}$$

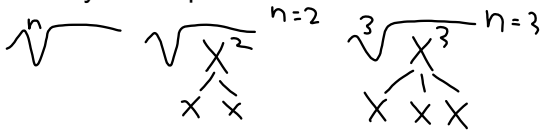
$$n^{\frac{1}{2} + \frac{3}{2}} = n^{\frac{4}{2}} = n^2$$

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2.2 Simplifying Radicals

Simplifying Radicals: It is in simplest form when it has no square factors or it is not a fraction.

Remember you need to match the number of the index to the number of terms in the radical before you can pull it out.



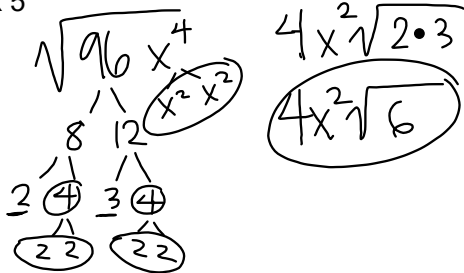
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<https://www.youtube.com/watch?v=Ef2gOQbDv7M>

- Watch till 4:20

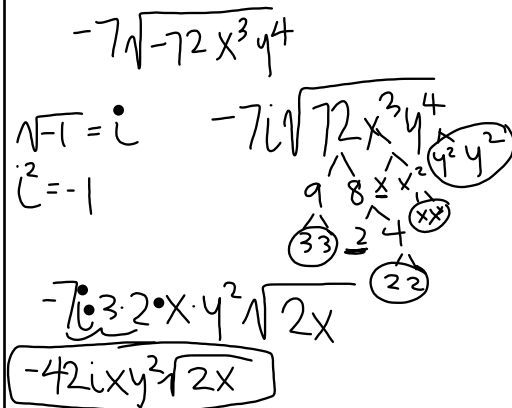
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Ex 5

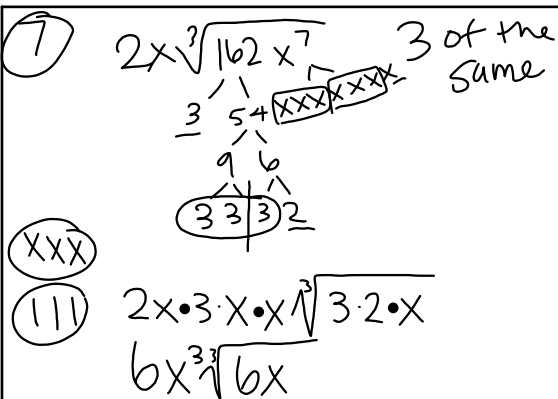


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Ex 6



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Sep 21-12:16 PM

Ex7

Sep 19-8:42 PM

Radical Jail...
Prison Break Edition:
Grab a white board and
marker!

$$\sqrt[3]{27} = 3$$

$$\sqrt{x}$$

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$$\sqrt{147r}$$

Sep 21-12:25 PM

Homework Questions

(17) $-2\sqrt{147x^2y^3}$

$-2 \cdot 7 \cdot x \cdot y \sqrt{3y}$

$-14xy\sqrt{3y}$

Sep 19-9:00 PM