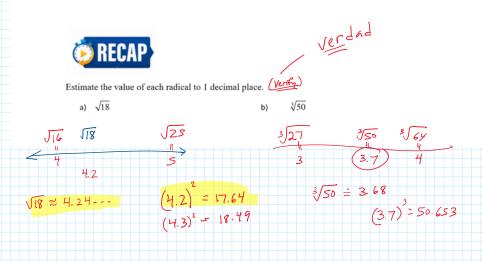
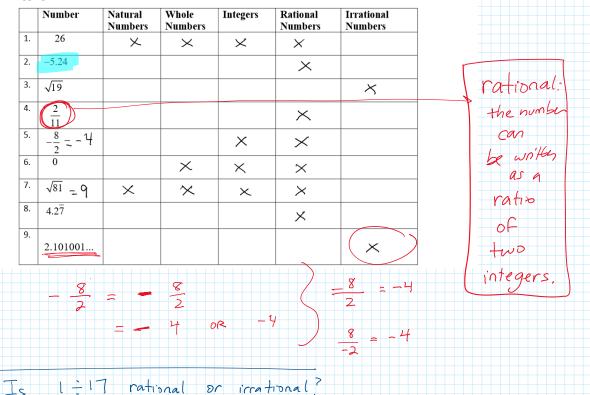
Class_02 Jan 10 - Mixed and Entire Radicals, Rational Exponents

Tonight's Class:

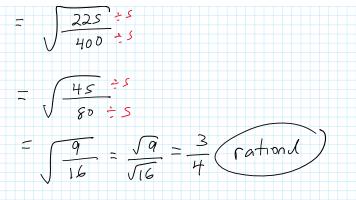
- Questions from 1.1-1.2?
- Preview 1.3-1.4
- Working through sections 1.3-1.4
 - Converting between mixed and entire radicals
 - $\circ\,$ Powers with positive and negative fractional exponents
- Work on practice questions from worktext



Identify the sets to which each of the following numbers belongs by marking an "X" in the appropriate boxes.

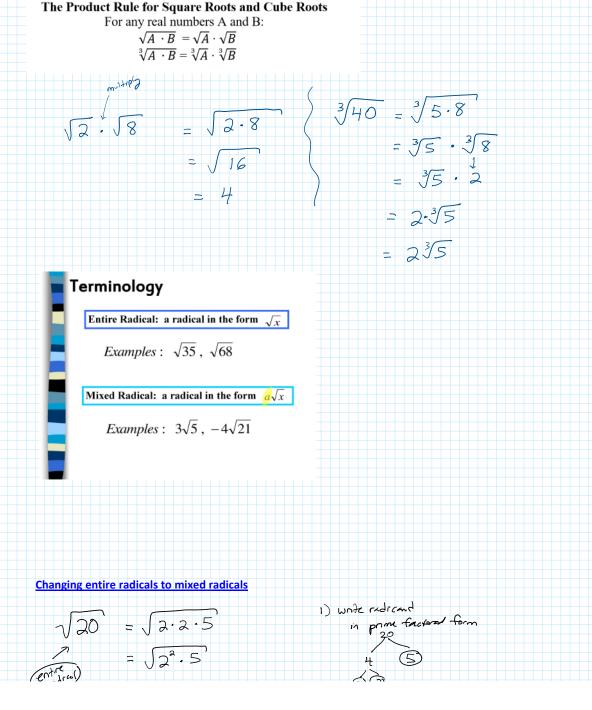


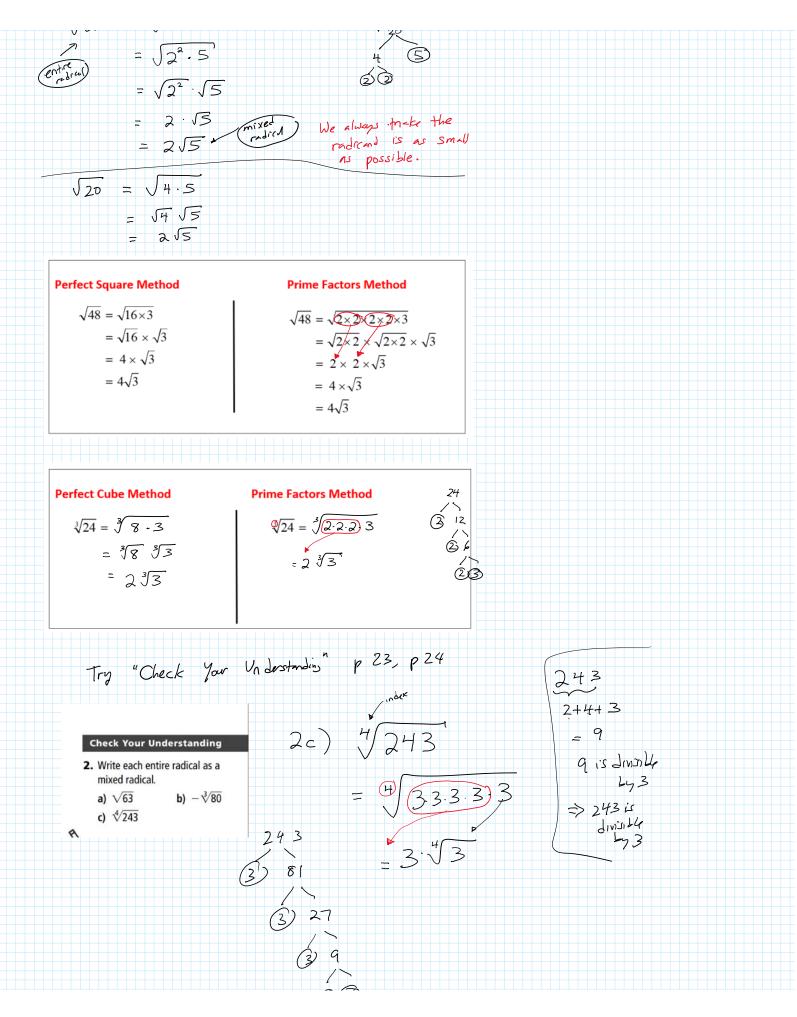
irrational? $1 \div 17$ rational Is Dr .058823529411464705 his is rational 1.00000 17 -851 150 134 4.01001000100001... 12 40) 136 40 J 34 51 3 ration of 7 90 50 34 16 0 153 27 70 100 1) reduce radicand 68 20 3/27 -- not a field 30 100 2) evaluate 17 13 D 19 - rational (irrational $=\frac{3}{\sqrt[3]{100}}$ 110 102 80 68 120 Identifying Radicals as Representing Rational or Irrational Numbers Example 2 Without determining the value of each radical, identify whether it represents a rational number or an irrational number. 1) write r-dirad as a freehos a) √0.5625 10.5625 a) **b**) $\sqrt{45}$ c) $\sqrt{5.8}$ **d)** ∜1.728 5625 10000-2) reduce radicand 1125 -5 2 2000 - 5 225 ک بر -400

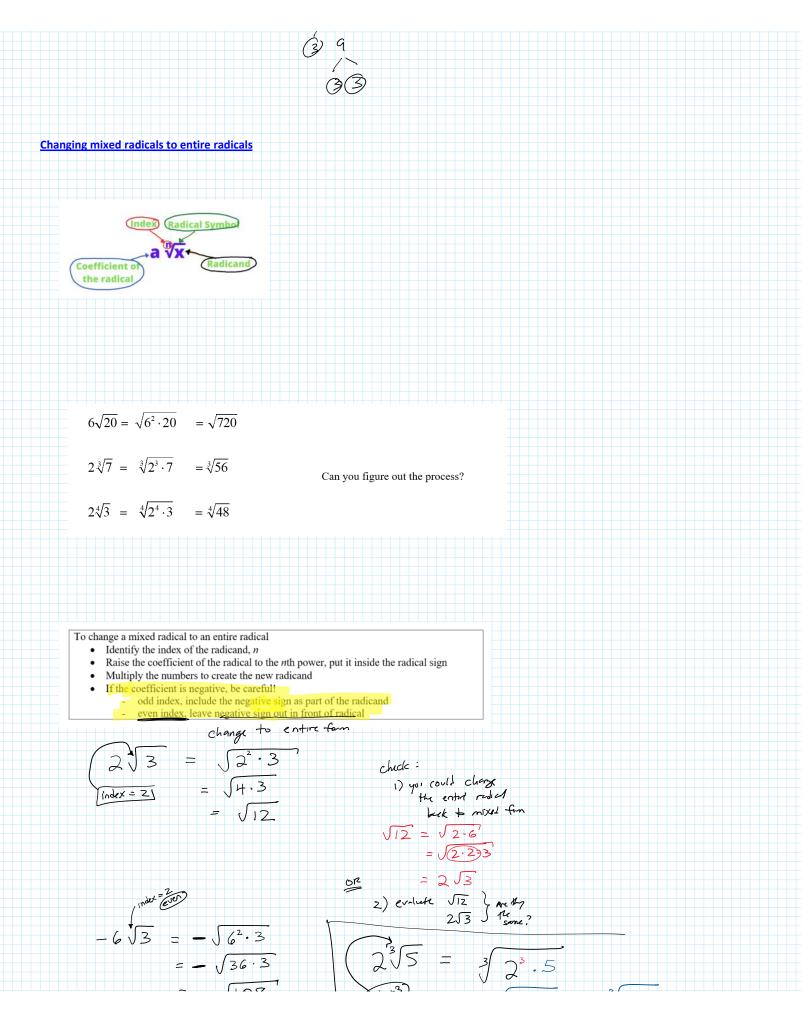


Preview 2

1.3 Mixed and Entire Radicals

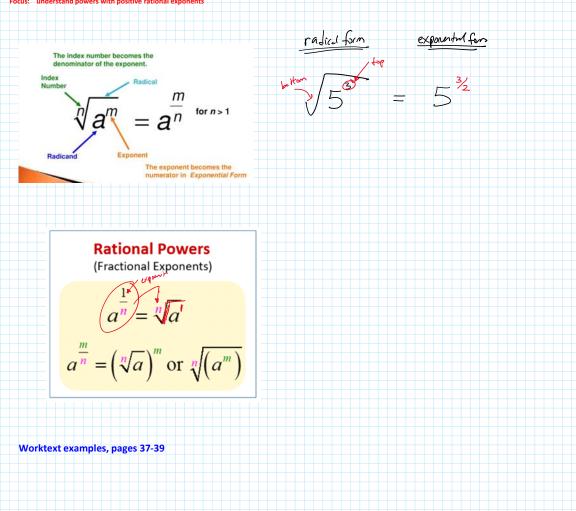


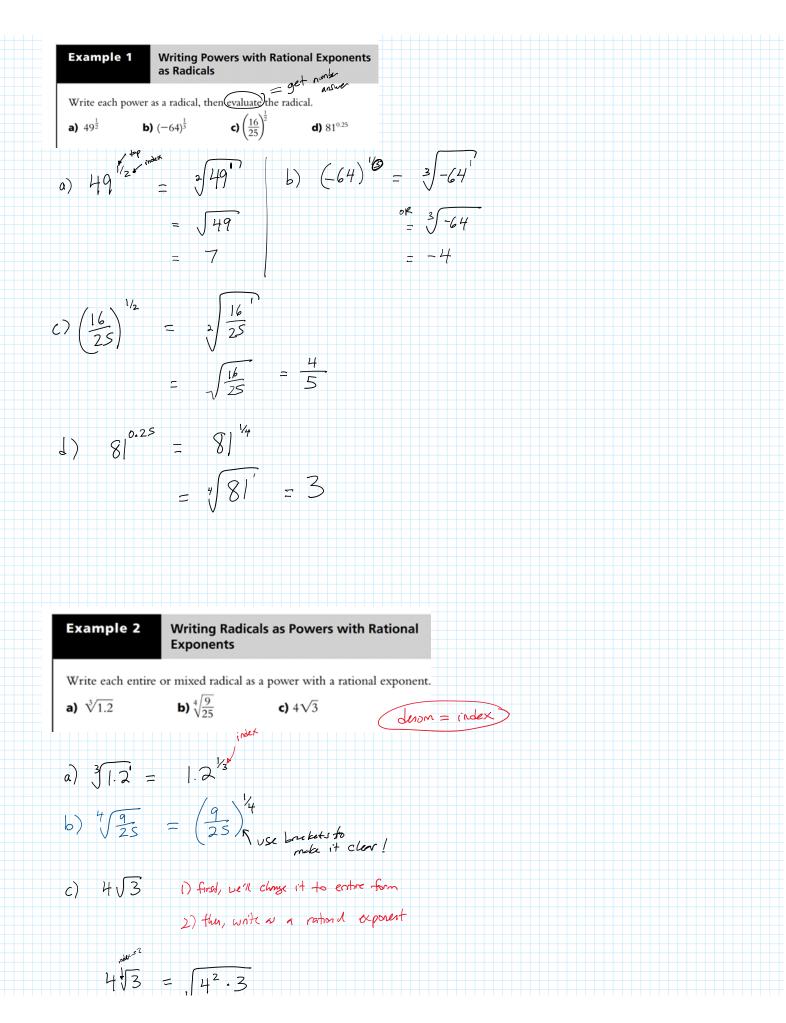


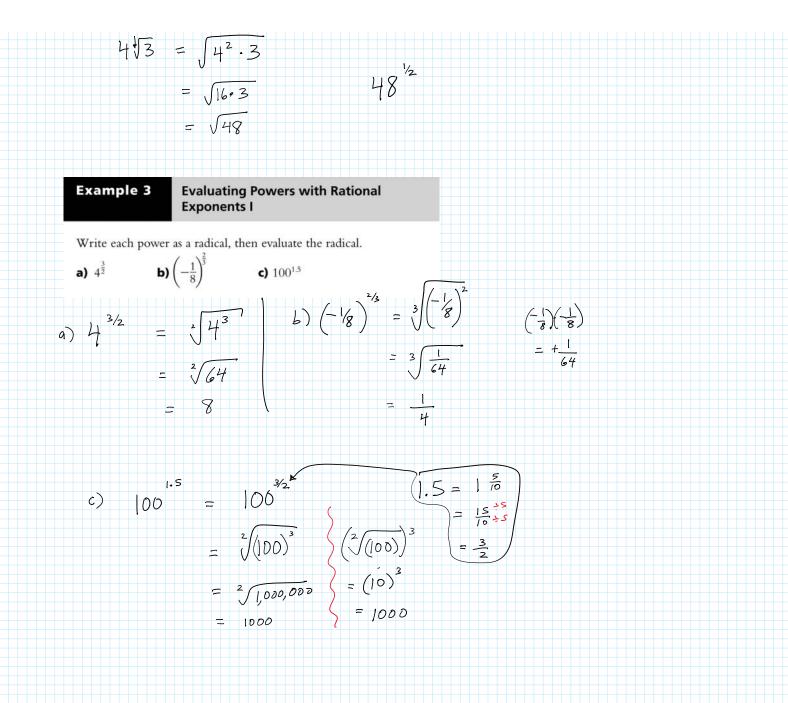


 $2^{3}\sqrt{5} = 3/2^{3}.5$ = - \(36.3) $= -\sqrt{108}^{4}$ -2³4 = ³(-2)³.4 = 3/8.5 = 3/40 index=3 344 = 43.4 7 3/-8.4 nex=4 = 4 81 - 4 = 3/-32 = 1/324 - Work text, check understanding p25 #3 - Try some 1.3 questions, starting on p26

1.4 Powers with Positive Rational Exponents







For next class

- Complete the "Recap" from tonight!
 - Do all you can without looking at examples/worktext. Then, switch to a different color of pen/pencil and complete the rest of it. This way you can see what you might need to spend more time on.
- Finish worktext questions 1.3, and you can start with those from 1.4. You don't get marks for doing these. Doing them helps you learn/practice the concepts.