

- 2. No food or drink during class other than water and a light snack before class.
- 3. Must be respectful of all others in the classroom. Someone speaking or intercom in use means EVERYONE else is listening.
- Review emergency evacuation procedures and "code black".
- Pathways of High School Mathematics
- Course Outline

Number Sense and Algebra

Vocabulary of Radicals:

Identify the parts of this radical...

 $\sqrt{x+7}$

- (1) Coefficent
- (2) Radicand
- (3) Index

 \sqrt{x}

Example: 5

1.02

0-d.9

 $\sqrt[6]{5x^8}$

• The square root of any real number is positive and is referred to as the **principal square root**

 $\sqrt[3]{3x-1}$

Any idea of what is meant by a restriction on a radical expression?

• Use the samples below to drive your thoughts...

• Like Radicals have identical radicands and indicies (plural of index) • Like Radicals have identical radicands and indicies (plural of index) $3\sqrt{7} \frac{1}{5} \sqrt{5}\sqrt{7}$ Not $1\frac{1}{5} \sqrt{5} \sqrt{7}$ $\sqrt{5} \sqrt{5} \sqrt{7}$



• Without the aid of a calculator arrange the following radicals in descending order:





Mathematical Pathways Description.docx

Pre-Calculus 110 - Fall 2012.doc