- R1 The application shall contain games to reinforce learning of mathematical concepts
- **R2** The application shall implement a graphical user interface (UI)
 - **R2.1** The appplication shall show a main menu on initial launch
 - R2.1.1 The main menu shall contain buttons to user profile, games, and tutorials
 - **R2.2** The UI shall contain a tutorial section
 - **R2.2.1** The tutorial screen shall display high-level tutorial categories for the user to choose from
 - **R2.2.2** The tutorial categories shall display drop-downs of their contained tutorials upon being tapped
 - **R2.2.3** The user shall be taken to the appropriate tutorial upon tapping a contained tutorial
 - R2.2.3.1 The tutorial shall be a text-based activity with scrolling
 - R2.2.3.2 The user shall be able to navigate back to other menus from the tutorial
 - R2.3 The UI shall contain games
 - R2.3.1 The UI shall provide a way for the user to select from the application's games
 - **R2.3.1.1** The game select screen shall display categories for the user to chose from
 - **R2.3.1.2** The user shall be taken to the game options screen upon tapping a catagory
 - R2.3.2 The UI shall provide a way for user to configure the game parameters
 - **R2.3.2.1** The game options screen shall display options for the user to manipulate game time duration
 - **R2.3.2.2** The game options screen shall display options for the user to specify the number of questions
 - R2.3.2.3 The game options screen shall display options for the user to specify whether or not problems will be scored
 - R2.3.2.4 The user shall be taken to the appropriate game upon tapping a game start button
 - **R2.3.3** The UI shall provide a way for the user to play the application's games
 - **R2.3.3.1** The in-game screens shall contain a button to end the current game
 - **R2.4** The UI shall contain a section for viewing the user's statistics
 - **R2.4.1** The statistics screen shall display high-level statistics categories for the user to view
 - **R2.4.1.1** The high-level categories shall be displayed in a scrollable, horizontal bar
 - **R2.4.2** The information within each category shall be presented graphically

R3 Tutorial

R3.1 Each tutorial shall be comprised of five attributes: name, category, difficulty, content, completion

- R3.1.1 A tutorial's name shall describe the material to be learned in the content
- **R3.1.2** A tutorial's category shall describe which mathematical subject the content falls under
- R3.1.3 A tutorial's difficulty shall display the level of difficulty of the tutorial
 - R3.1.3.1 A tutorial's difficulty is relative to that of another
- **R3.1.4** A tutorial's content shall be comprised of learning material and example problems
 - R3.1.4.1 Learning material shall be described in steps
 - R3.1.4.2 Example problems shall be worked out and solved within the content
- **R3.1.5** A tutorial's completion shall display how much of a tutorial has been completed
- R3.2 All tutorials shall be sorted by name, category, and difficulty
 - **R3.2.1** Tutorials shall be sorted by category
 - R3.2.2 Tutorials of the same category shall then be sorted by difficulty
 - R3.2.3 Tutorials of the same difficulty shall then be sorted by name
- R4 User profile
- R5 Feedback