Advanced Calculator Roadmap

# General Feature Needs

|  |  |  |
| --- | --- | --- |
| **Item** | **Status** | **Notes** |
| Manual test update | P1 | Every release, make better! (prog?) |

# Technical Additions

|  |  |  |
| --- | --- | --- |
| **Item** | **Status** | **Notes** |
| More Keys, P3 | P3 | 300 % 14 🡪 42 300 %T 14 🡪 4.6% Prime factors, GCD,  x exchange y  IsRandom  DMS🡪DD  X\*\*(1/y) for e.q. fourth roots |
| Display grad/turn | P3 | 360 degrees=1 turn=400 grad/'gon' |
| Name the memory registers | P3 |  |
| Memory: add Clear/Add | P3 | Each memory register should have M+ |
| "Two line" display | P3 | 2nd line shows expression |

# New Solvers

|  |  |  |
| --- | --- | --- |
| **Item** | **Status** | **Notes** |
| Angle/Triangle | P3 | The right triangle calculator doesn't calculate when given areas or angles. The text originally talked about 'the angle solver', but that solver needs to be written. |
| Volume solvers | P3 | Cylinder, box, cone… |
| Combinations/Permutation | P3 |  |
| ASCII table | P2 |  |
| Battery solver | P2 | Joules/wats/amps… |
| List functions for mean/mode | P3 |  |
| List functions make box plot | P4 |  |
| List functions compare | P4 |  |
| Degrees/radians/grad solver | P3 | Includes parts-of-PI |
| Potential energy | P3 | E=egh (kgram/g/meters)->Joules |
| Kinetic energy | P3 | E=1/2mv\*\*2 |
| Kb/mb/gb bytes/bits | P2 | e.g., 1.2k + .6G=… |
| Obsolete units | P4 |  |
| Nautical units | P3 |  |
| Cost solver | P3 | COST=1550; Markup=20%; Sell@=1875 |
| MTBF solver | P3 | Look at sticky note… |
| BMI calc | P3 | Keep track of values? |
| Runtime typesetting values: | P3 | Inch, px (96 per inch) pt (72 per inch) cm |
| BMI kids | P2 |  |

# Bugs

|  |  |  |
| --- | --- | --- |
| **Title** | **Status** | **Notes** |
| Can't type period??? | P1 | Comment from user -- can't type period  Unable to duplicate |
| Advanced should include the entire main calc | P2 | Comment from user; might have to make the menus narrower |
| Talk back to users | P2 | Would be awesome to have a way to "chat" back with users |
| Reformat menu keys | P1 |  |
| Fixed Programmer << | P1 |  |

# Release notes

Version 3:

1. Righties rejoice! Calculators can be right, center, or left aligned via the app bar
2. Dice includes a full set of 6-side dice
3. Nicer feedback dialog

# Fun Additions

|  |  |  |
| --- | --- | --- |
| **Item** | **Status** | **Notes** |
| Slide Rule | P4 | Linear and circular |
| IBM tab machine capacity | P4 |  |
| Measure is correct size | P3 | e.g., can use the "ruler" in measure as a ruler |
| English coins | P3 | Sovereigns! farthings! |

# Sidekick additions

|  |  |  |
| --- | --- | --- |
| **Item** | **Status** | **Notes** |
| Clock | P3 |  |
| Pom clock | P3 |  |
| Notepad | P3 | One that does unicode + math would be great |

# Sidekick Work (notepad)

|  |  |  |
| --- | --- | --- |
| **Item** | **Status** | **Notes** |
| Type values into existing note |  | Notes areRTF |
| Save to My Documents |  | Save/restore buttons |
| Create note |  |  |
| Edit titles for notes, stacks, groups |  |  |
| Move notes up and down in stack; stack in group; group in all |  |  |
| Create stack |  |  |
| Create group |  |  |
| Save to appdata, no my doc |  | My docs is protected ☹ |
| Autosave on changes |  | Pause (10 seconds?) before saving to group together |
| Autorestore on start |  |  |
| Save single note to alternate RTF file |  |  |
| Share contract |  |  |
| Search contract |  |  |
| Save to SkyDrive |  |  |
| Update looks |  |  |
| Move stack between groups  Move note between stacks |  |  |
| Mark note |  | Start/end data, status |
| Roll up status |  |  |
| Stack with to-do items |  |  |