

## The Calculator Pad – Student Directions

### Student Registration:

Before a student can use The Calculator Pad (a.k.a., CalcPad) with our Task Tracker, they must first register for a teacher's class using a **Class Sign Up Code**. The procedure is as follows.

1. Go to the **Account** page. There is a link to **Account** near the bottom of the left-side navigation panel on every page and just below The Physics Classroom title at the top of every page.
2. On the right side of the **Account** page, there is a link titled **Register as Student**.
3. Students should create an account by filling out the form and tapping on **Register**. Students need to use a teacher's **Class Sign Up Code** (i.e., Course Code) when they fill out the form. Students must also enter a password twice and an accurate security code (in the grey box).
4. Once an account is created and linked to a teacher's course, students will see their main account page. By tapping on the **Tasks and Courses** link, they will navigate to the teacher's Course page where assignment information is listed.

### Selecting and Starting Assignments

Once a student is added to a class, they can begin using CalcPad (and any other purchased Task Tracker feature their teacher is subscribed to) and have their progress saved. The procedure is very easy.

1. Tap on the **Account** link found near the bottom of the left-side navigation panel on every page and just below The Physics Classroom title at the top of every page. If not logged in, then log in using the email address and password used at registration.
2. Tap on the **Tasks and Courses** link to navigate to the Course page where assigned tasks are shown. Students will see all assignments organized by topic. If there is more than one topic, then a student can tap on the topic to view assignments for that topic.
3. Due dates and scoring information are available for each assigned task. A color coding and number system is used to indicate the urgency of an assigned task relative to the due date. **Green** indicates that the assigned task has been completed. **Blue** indicates that an incomplete task is approaching the due date (7 days away). **Yellow** indicates that the due date is very soon (48 hours away). And **Grey** indicates its more than a week away. **Red** indicates that the task is not complete and past the due date but can still be completed for late credit. **Black** indicates that the task is overdue and no longer creditable. The numbers inside of each oval indicate the number of tasks with that urgency level.
4. To start an assigned problem set (referred to as a "task"), tap on the **Start This Task** link. This opens the assigned Problem Set at The Calculator Pad. Make sure that you do NOT see a yellow notice stating "This is the guest version of the assignment ... ". If you do, then there's something wrong and your progress will not be tracked. The graphic below explains the top part of the page.

**Set K1: Distance versus Displacement** ← **Name of Problem Set**

Due Date	Scoring Information (updates after each submission)	Teacher Message
Wed Aug 10 2022 11:59:59 PM		← <b>Your teacher posts a message, it shows up here.</b>

Problem	1	2	3	4	5	6	Total Score	Percentage
Points	0/2	0/2	0/2	0/2	0/3	0/2	0/13	0 %

← **For multi-part problems, points are divided equally among the parts.**

**Assignment Overview**

Distinguish between and calculate the quantities distance and displacement for multi-stage (back-and-forth) motions.

5. Completion of a problem set involves providing correct answers to problems. Each answer field has its own Submit button. Enter an answer and tap Submit. Feedback is immediate and scores are updated. CalcPad stores everything; what you see on the screen is saved in the database for your teacher to view. See graphic below for more information about a CalcPad problem.

The screenshot shows a CalcPad problem interface with the following elements and annotations:

- Problem Header:** "1. K1Q1" (circled in red) with a minus sign icon. Annotation: "Tap to 'collapse' or 'expand' problem." "Current score for this problem." with an arrow pointing to "Points: 1/2".
- Problem Text:** "During a recent upset victory against New Greer Academy, South's #2 singles player, Dimitri, stepped in some mud and left the following tracks along the baseline. The point-to-point distances are: A to B: 21.1 feet, B to C: 15.1 feet".
- Diagram:** A green rectangular area showing a baseline with points A, B, and C. A red arrow points from the "Current score" text to this diagram.
- Question a:** "What is Dimitri's total distance?" Input field: "Distance 36.2 feet" with a green checkmark icon. Annotation: "Type answers here." and "Updates after every tap on the Submit button. Green check = Correct Red X = Incorrect".
- Question b:** "What is the magnitude of Dimitri's displacement?" Input field: "Displacement 21.1 feet" with a red X icon.
- Submission Buttons:** Two blue "Submit" buttons. The first has "Info" and "Attempts: 2/6" above it. The second has "Info" and "Attempts: 2/6" above it, with a small box showing "15.1" and "21.1". Annotations: "Tap to view scoring rules for problem." and "Tap to view previous answers.".
- Help Links:** A box at the bottom left with icons for a globe, headphones, and a video camera. Annotation: "Use this to learn. (audio help, web page, video)".

Note that CalcPad keeps a record of your *submission history*. You can never enter the same value twice (like, who would want to). And once you have the right answer, the Submit button is disabled. Most every problem has some Help Links. An audio help link (denoted by a headphones icon) may be the most useful and detailed. The web page (denoted by a globe icon) will link to a Tutorial page about the topic. The video (denoted by a video camera icon) will link to a YouTube Tutorial on the topic. Get help before you get frustrated. The goal is to learn; the CalcPad tool is designed to help.

On occasion, you will want know how a problem is scored. A tap on **Info** will reveal that information. Sometimes its scored such that an excessive number of attempts will result in a reduced score. You may also want to know the point reduction for submitting late answers.

Points: 1  
 Unpenalized Attempts: 3  
 Penalty per Penalized Attempt: 5%  
 Late Submission Penalty: 20%  
 Submittable as Late Before: Fri Aug 19 2022 2:18:21 PM

And finally, a CalcPad problem set is often set to shut down after a certain date. **Check the Submittable as Late Before** date. After this date, the Submit button will no longer work.