INTRODUCTION TO THE CLASSPAD

ClassPad Activity
Teacher Notes

Objectives:
Students will:

- Learn the functions of the ClassPad eActivity application
- Learn the various toolbars in the eActivity application
- Open and save e-Activities
- Plot points on a coordinate grid
- Construct circles with a given radius on a coordinate grid

Materials:

- eActivity "*Introduction*"
- Student Activity Sheet "Introduction to the ClassPad"

Lesson Notes:

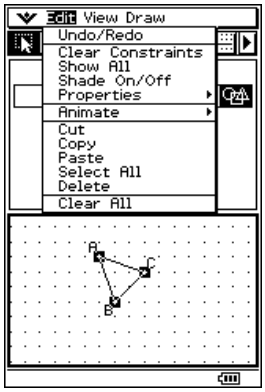
This is a teacher directed activity to introduce the ClassPad functions to students. Use a projector with the ClassPad Manager and have students work along with you.

Students will learn these ClassPad functions:

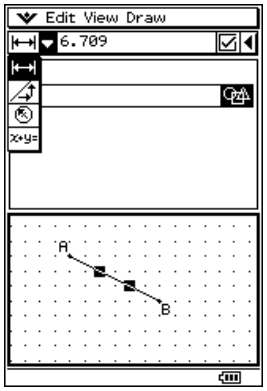
- Plotting points
- Constructing line segments
- Shading regions
- Measuring length, area and circumference with the measuring tool
- Moving points, segments and lines
- Opening and formatting geometry strips
- Constructing circles
- Dragging and dropping linear functions from the main strip to the geometry strip
- Identifying points of intersection using the intersection tool
- Saving and opening files
- Creating folders

Using the stylus is different than using the mouse. It will take some time for students to become proficient with the stylus on the ClassPad.

- To shade in a region:
    - Select the vertices of the region
    - Select [Edit] ⇒ [Shade On/Off]

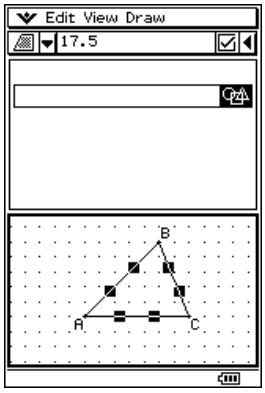


- To measure a length:
    - Select the segment
    - Select the arrow at the far right of the toolbar to change to the measuring tool
    - Select the length button and read the length

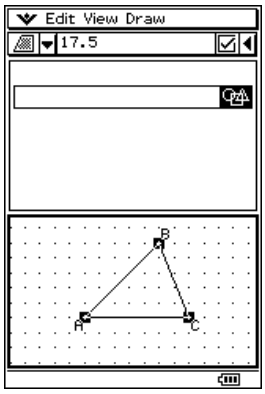


- To measure an area:

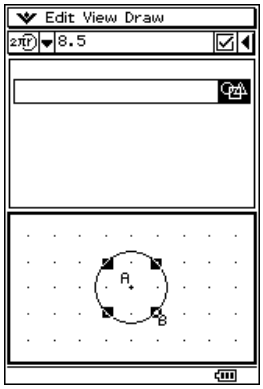
  Method 1:
    - Select the sides of the figure
    - Select the arrow at the far right of the toolbar to change to the measuring tool
    - Select the area button and read the area



  Method 2:
    - Select the vertices of the figure
    - Select the arrow at the far right of the toolbar to change to the measuring tool
    - Select the area button and read the area



- To measure circumference:
    - Select the circle. Be careful not to select any of the other points.
    - Change to the measuring tool and select the circumference button (2πr)



INTRODUCTION TO THE CLASSPAD

ClassPad Activity

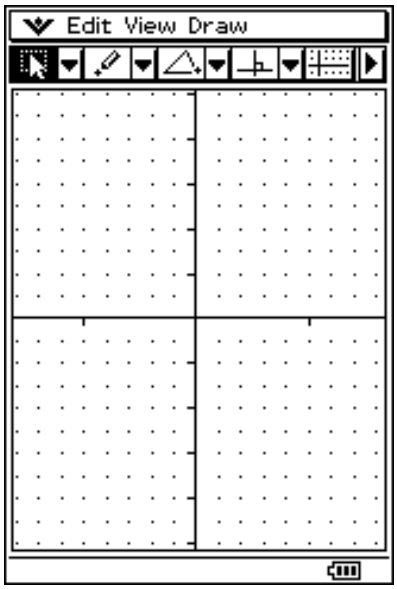
Name _____ Date _____

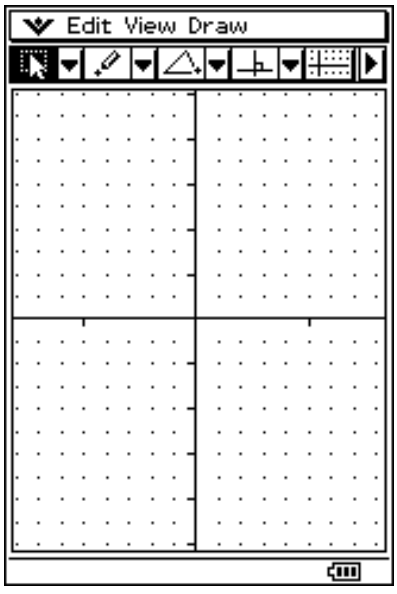
1. Open the Geometry strip. Turn on the axes and the integer grid.
2. Place a point A at (0,0)
3. Place a point B at (0,2)
4. Place a point C at (3,1)
5. Construct a triangle ABC by constructing line segments AB, AC and BC.
6. Shade in the triangle. Sketch your ClassPad screen on the grid to the right.
7. Measure AB, BC and AC:

   AB=_____ BC=_____ AC=_____
8. Measure the area and perimeter of ABC:

   A=_____ P=_____
9. Open the Geometry strip. Turn on the axes and integer grid.
10. Construct a circle with a center at (0,0) and a radius of 3 units. Sketch your ClassPad screen on the grid to the right.
11. Measure the area and circumference:

    A=_____ C=_____





12. Drag the linear function y=x onto the grid.
13. Identify points where the circle and the line intersect using the intersect button:

    Point 1=_____ Point 2=_____
14. Change the radius of the circle to 5 units. Sketch your ClassPad screen on the grid to the right.
15. Save your work in YOUR folder as Intro.