

## Getting Started with GeoGebra

### *The GeoGebra Window*

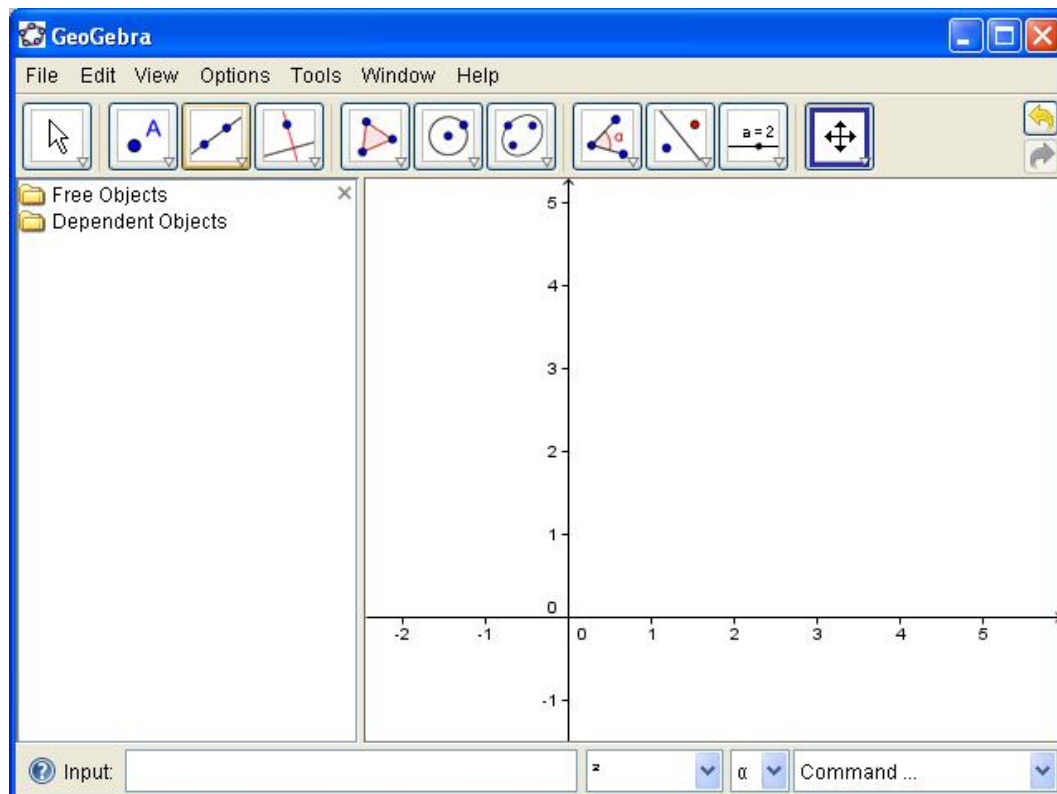
#### A. Start GeoGebra

1. On the desktop, double-click on the GeoGebra icon



#### B. When we start GeoGebra



The default window for GeoGebra looks like this.



#### C. Main Parts of the GeoGebra Window

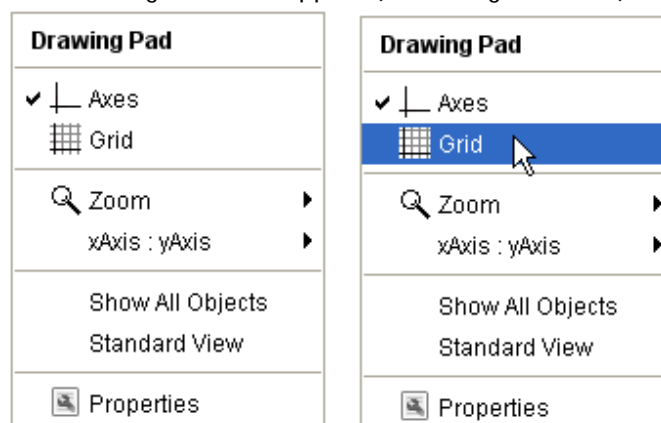
1. Title Bar
2. Menu Bar
3. Tool Bar
4. Algebra View
5. Graphics View – Drawing Pad
6. Input Bar


#### D. What we explore here

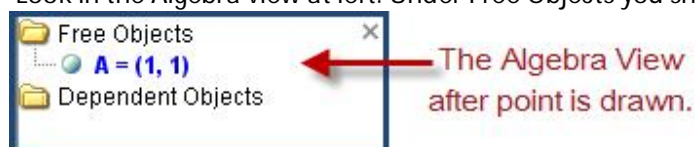
- Title Bar
- Menu Bar (or Command Menu Bar)
  - File
    - Save
    - Close (Exit)
- Tool Bar
  - Move Tool 
  - New Point Tool 
- Algebra View
  - Free Object


#### E. Steps

2. Turn on Grid
  - a. Move your mouse pointer into the *Drawing pad* and right-click.
  - b. The following menu will appear (see left figure below):

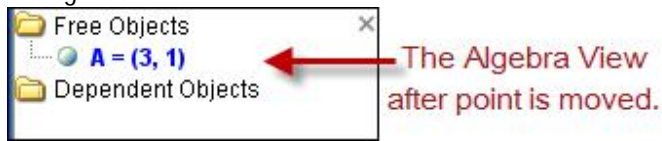



- c. Move your mouse pointer to Grid and click (see right figure above).
3. Draw a New Point
    - a. Click on  *New Point Tool*
    - b. Move your mouse pointer into the *Drawing pad* and notice that when your pointer is "close" to a grid point, the coordinates show a grid point (whole number coordinates). This is GeoGebra "helping" you.
    - c. Move your mouse pointer to the grid point (1,1) and click.
      - i. A point is drawn at (1,1) and it is labeled A. It is **BLUE**.
      - ii. Look in the Algebra view at left. Under Free Objects you should see  $A=(1,1)$



4. Let's move this point
  - i. Click on  *Move Tool*

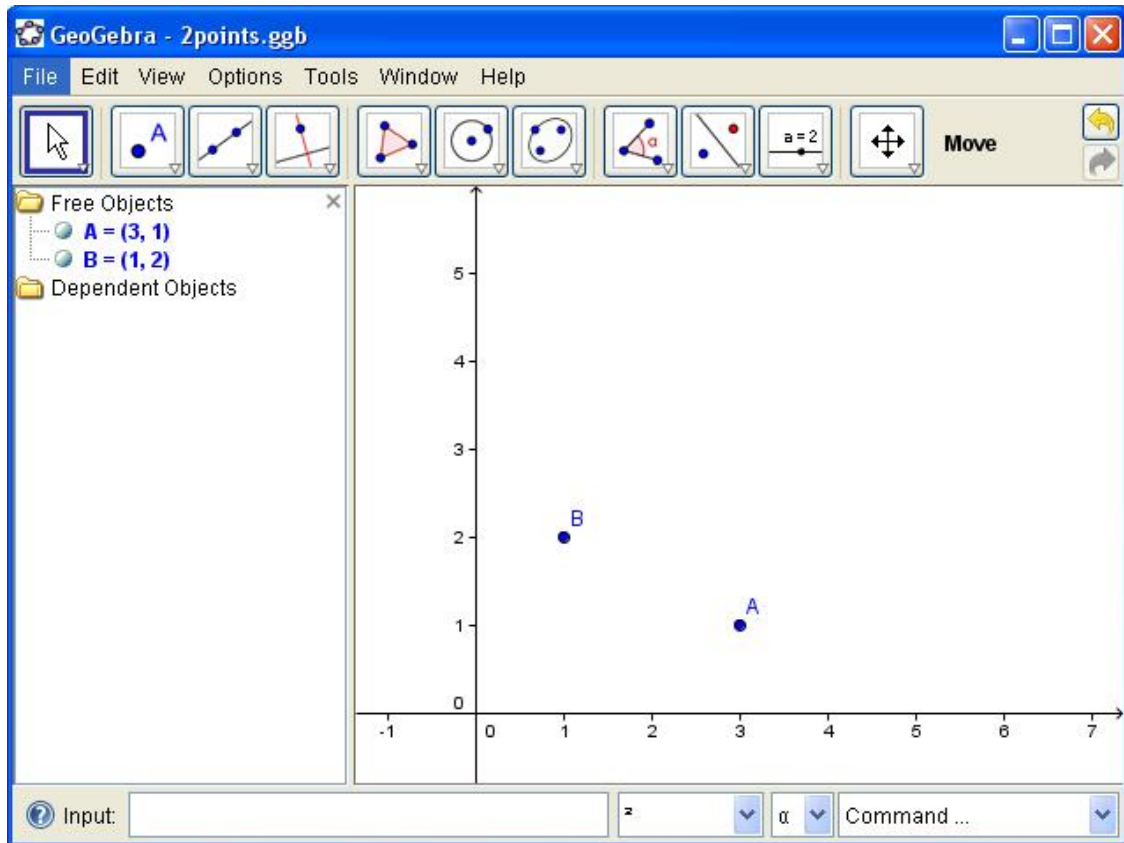
- ii. Click & drag the point (not the label A) to (3,1). Notice that the Algebra view has changed.



5. Let's draw another point
  - a. Click on  *New Point Tool*
  - b. Move your mouse pointer to (1,2) and click.
    - i. A point is drawn at (1,2) and it is labeled B. It is also BLUE.
    - ii. Look in the Algebra view at left.
6. Save our file
  - a. Select the command File -> Save. That is, click on *File* and then on *Save*.
  - b. In the dialog box, type *2points* and click on *Save*.
  - c. Notice that the name of the file is *2points.ggb*

#### F. When we are done

This is what your GeoGebra file looks like after doing the above steps in E.



#### G. Exit GeoGebra

7. Select the command File -> Close. That is, click on *File* and then on *Close*.