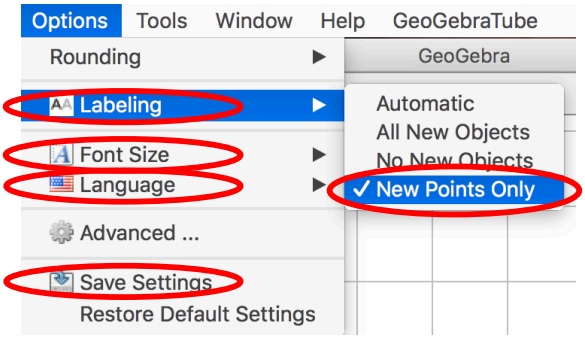
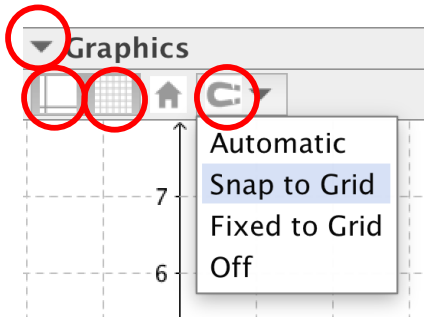
GeoGebra Tutorial: **Drawing Figures on Grid**

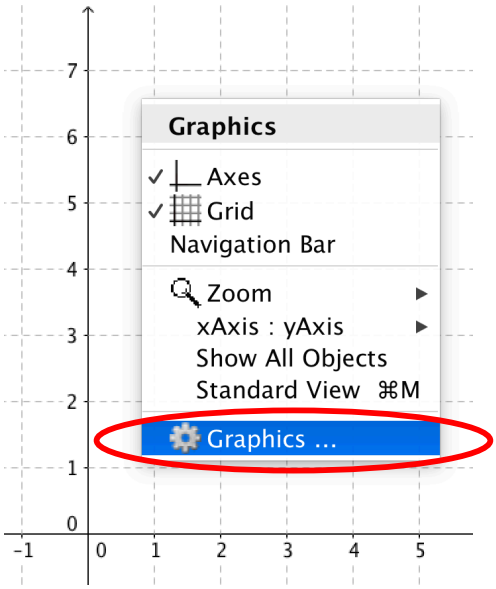
1. Go to the menu “Options”. Choose “Font Size” and set it to be point 18 (or any size you want). Choose “English (US)” in “Language”. Choose “New Points Only” in “Labeling”. Click “Save Settings”.

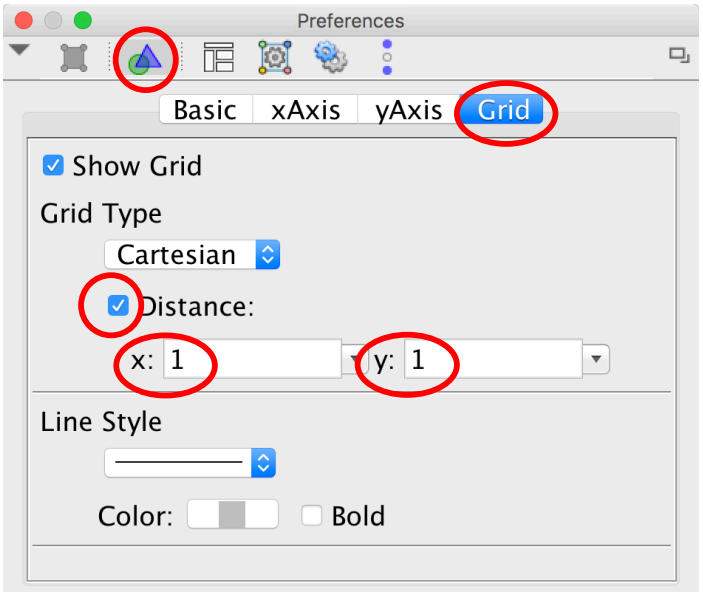


2. Use the styling bar to show the axes and the grid. Turn on “Snap to Grid”.

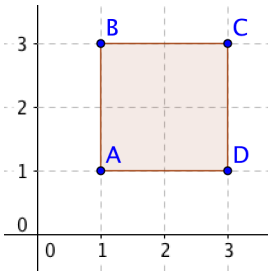


3. Right-click in the Graphics view. Choose “Graphics …” and the “Grid” tab. Check the “Distance” box and set the distances of x and y both “1”.



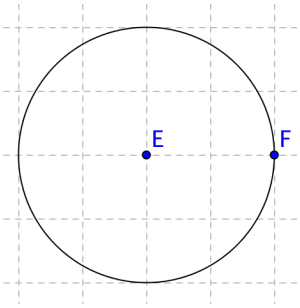


4. Select the “Polygon” tool . Click (1,1), (1,3), (3,3), (3,1) and again (1,1) to draw a 2x2 square. Similarly draw a rectangle, a rhombus, a parallelogram, a trapezium of any size.

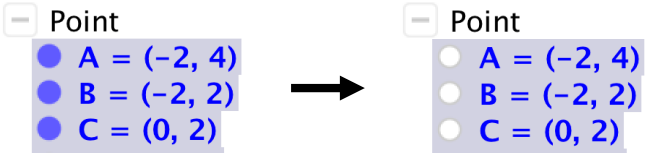


5. Select the “Move” tool (or press “Esc”). Move any points to verify that these polygons are not “rigid”.

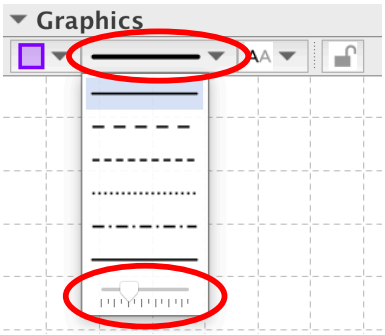
6. Use the "Circle with Center through Point" tool  to draw a circle of radius 2.

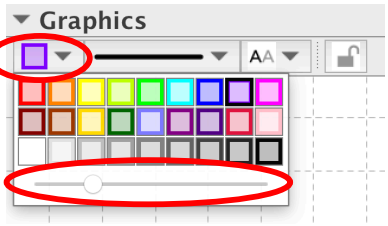


7. In the Algebra view, hide all the points.

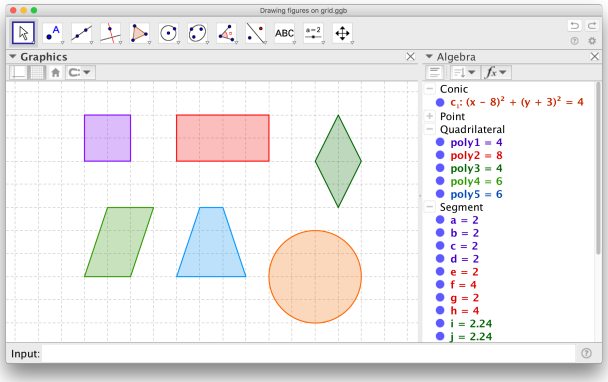


8. Adjust the line thickness, color and opacity of the above figures, using the styling bar or right-clicking the relevant object and choose "Object Properties …".





Hint: Press "Ctrl" to select multiple objects. Click "Quadrilateral" in Algebra view to select all quadrilaterals.



9. Select all segments and change them to black. Hide the axes and the grid.