GeⵔGebra Tutorial: **Drawing a Sector**

Task A   Drawing a Sector

1. Select the sector tool   ⬯ . Click (0,0), (3,0) and (2,4) in order (called points A, B and C). You

    should get a sector centered at (0,0) with radius 3.

2. Using the styling bar, adjust the line thickness, color and opacity of the sector.

3. Select the angle tool   ⬯α . Click B, A and C in order to measure the angle at centre (63.43°).

4. Using the styling bar, adjust the line thickness, color and opacity of the angle. Show "Value"
    only. Choose "Options | Rounding | 0 Decimal Places".

5. Adjust the radius by moving point B and the angle by moving point C.

6. Hide the points, the axes and the grid.
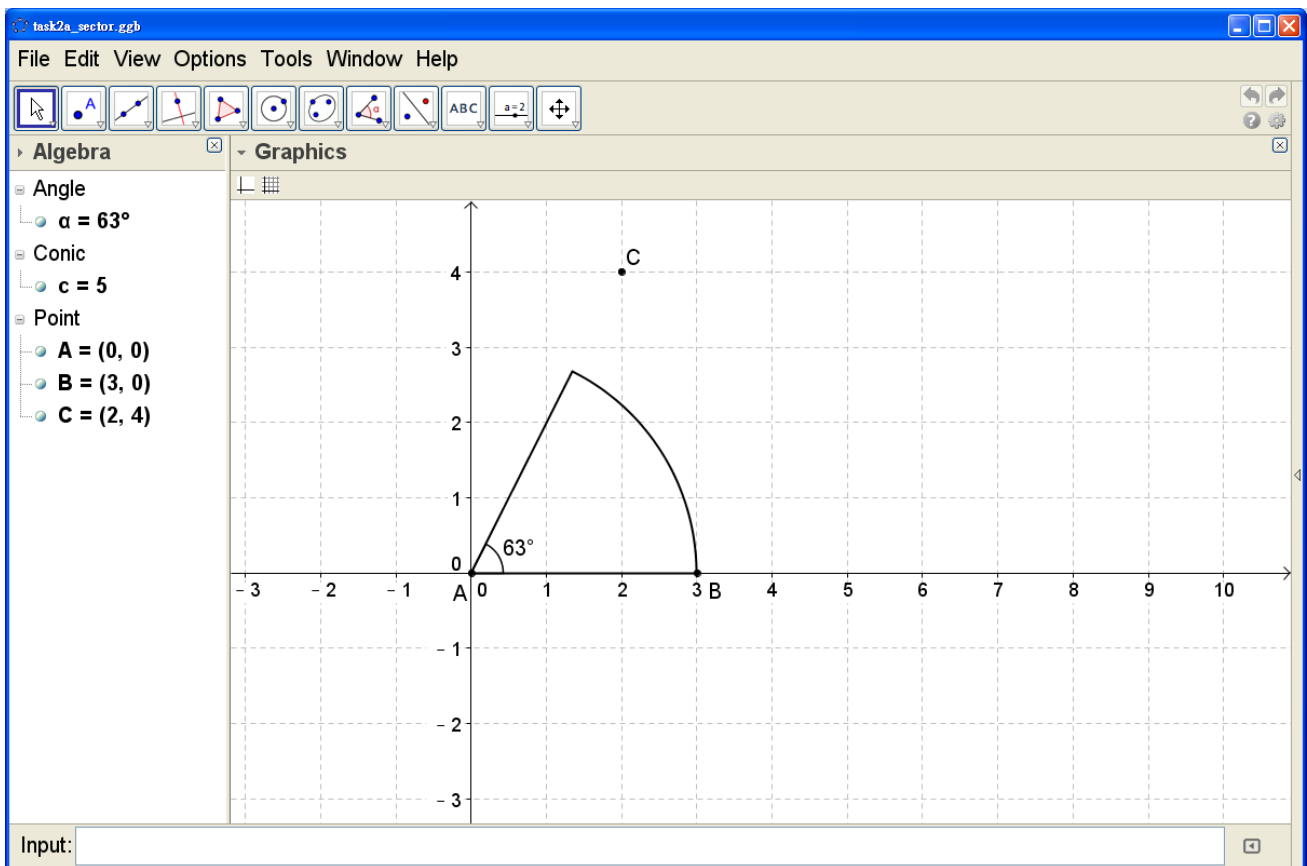
Task B   Drawing a Sector (Alternative method)

1. Use the slider tool to create a slider t with value from 5° to 355° with 5° increment.

2. Using the point tool , create two points at (0,0) and (3,0), called A and B respectively.

3. Select the rotation tool , click B and A in order. Enter t for the angle. An image point B' should appear.

4. Select the sector tool . Click A, B and B' in order.

7. Select the angle tool . Click B, A and B' in order to measure the angle at centre.

8. Using the styling bar, adjust the line thickness, color and opacity of the angle. Show "Value" only. Choose "Options | Rounding | 0 Decimal Places".

9. Adjust the radius by moving point B and the angle by the slider.

10. Hide the points, the axes and the grid if necessary.
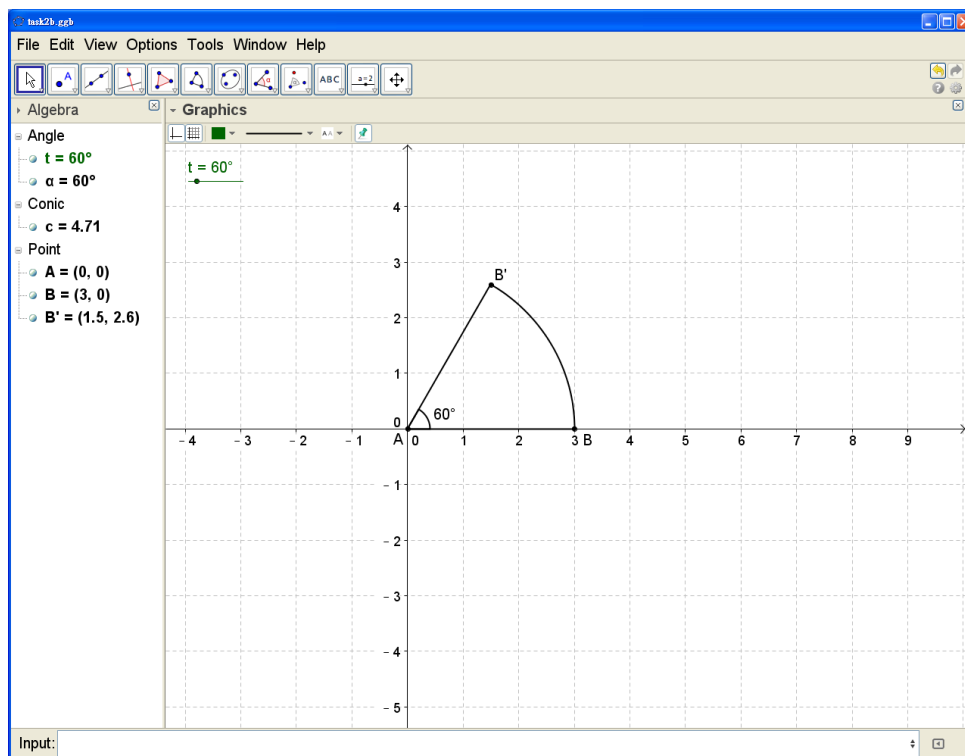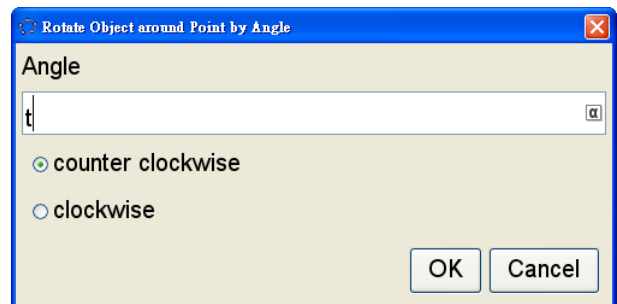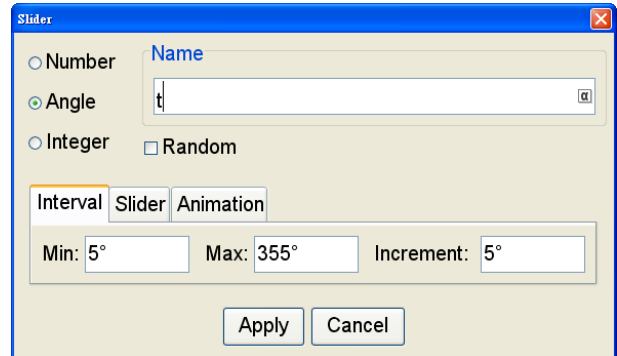
Task C   Exporting Figures to Microsoft Word

Use the figure drawn in tasks A or B.

Method 1: When the margin and the scale are NOT important

1. Reduce the size of the Graphics view so that the figure is surrounded by appropriate margins.
2. Choose "File | Export | Graphics View to Clipboard".
3. In Microsoft Word, press "Ctrl+V" to paste the figure.

Method 2: When both the margin and the scale are important

1. Using the point tool   ●A , create two points at, say, (-1,-1) and (4,4). Rename them as

    "Export_1" and "Export_2". Then the rectangular region defined by the two points would be exported.
2. Hide the points "Export_1" and "Export_2".
3. Choose "File | Export | Graphics View as Picture (png, eps) …". Set the scale and resolution if needed. Click "Clipboard".
4. In Microsoft Word, press "Ctrl+V" to paste the figure.