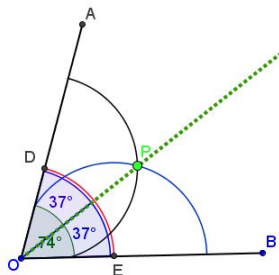


Student Activity Construction 1

Use in connection with the interactive file "construction 1" on the Student's CD.

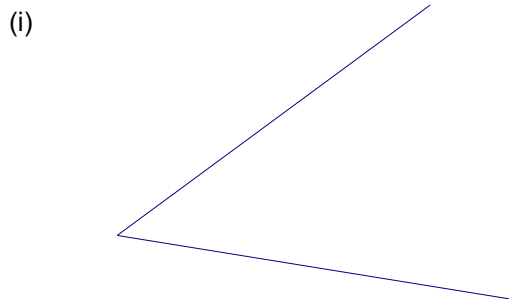
Construction 1: To construct the bisector of any given angle, using only compass and straight edge.



1. Move the slider to the right on the interactive file to make the measure of the angle $AOB = 110^\circ$.
Are the measures of the angles AOP and BOP equal? _____ Is the angle AOB bisected? _____

2. Move the slider to the left on the interactive file to make the measure of the angle $AOB = 60^\circ$.
Are the measures of the angles AOP and BOP equal? _____ Is the angle AOB bisected? _____

3. Bisect the following angles and then measure to verify they are bisected correctly.



4. Bisect all 4 angles using the least number of lines and arcs.

