

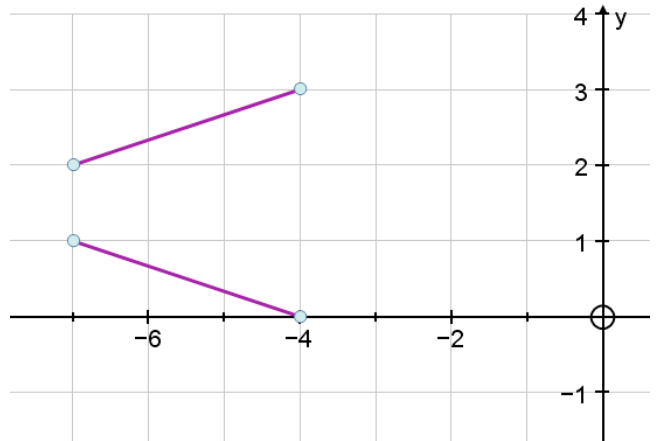
1. Start with a New 2D Graph Page



Using **Line Segment Mode** create two line segments

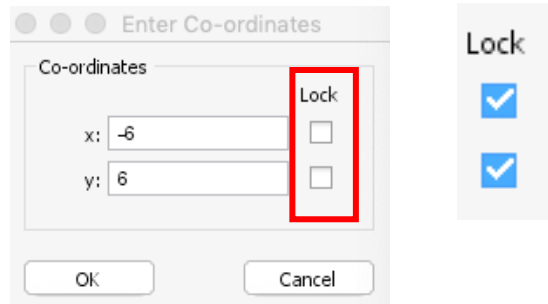


For example,



2. Using **Select Mode** double click one of the 4 points

The **Enter Coordinates** dialog box will display. Check the **Lock** boxes.

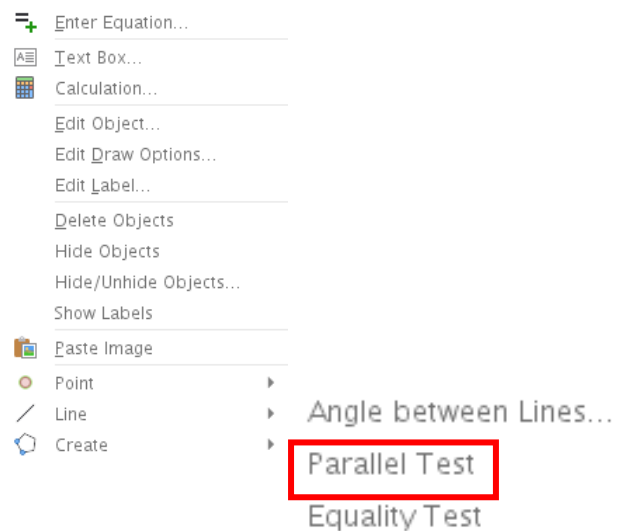


Repeat so that 3 of the points are locked and one can be moved.

3. Use Select Mode to select the two line segments

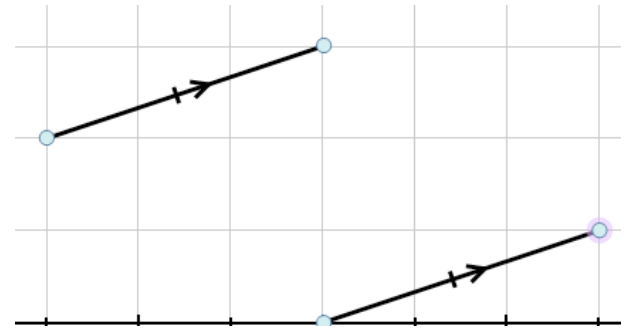
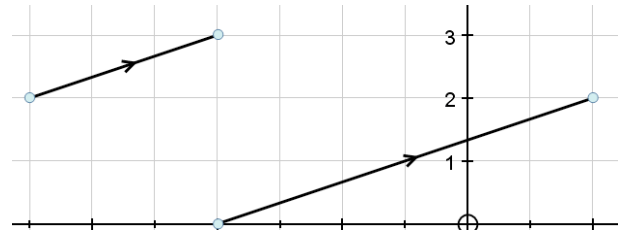
Right click.

From the **Line** option select **Parallel Test**



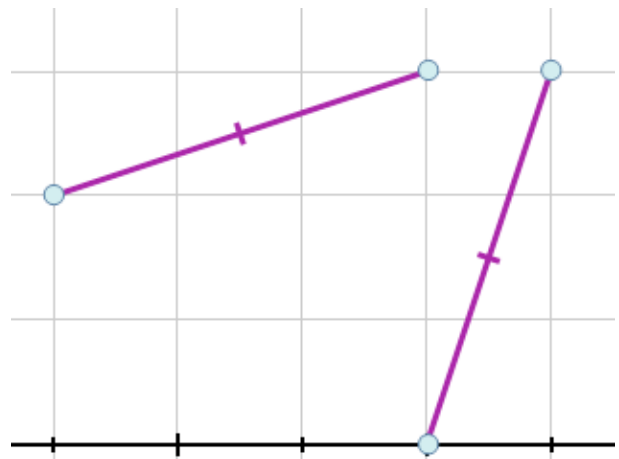


4. Parallel line markers will be shown when you move the point such that the lines are parallel.

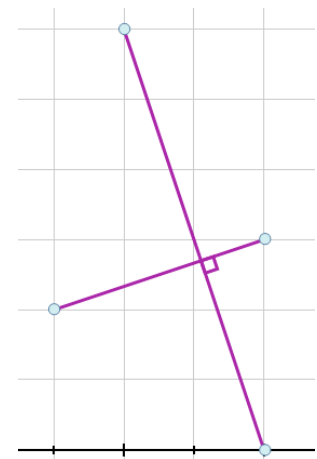


5. Setup the Angle Between lines and Equality tests,

Lines are the same length

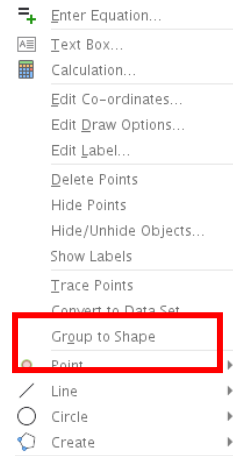


Lines at a perpendicular

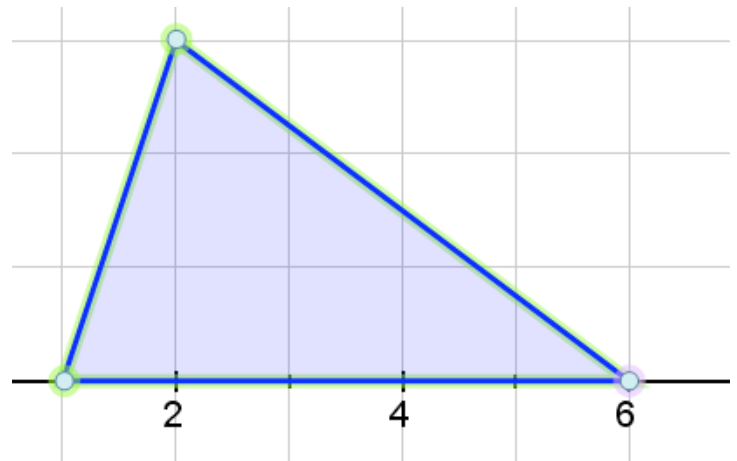


1. Start with a New 2D Graph Page

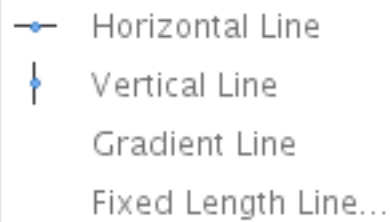
Using **Point Mode** create a triangle using Group to Shape



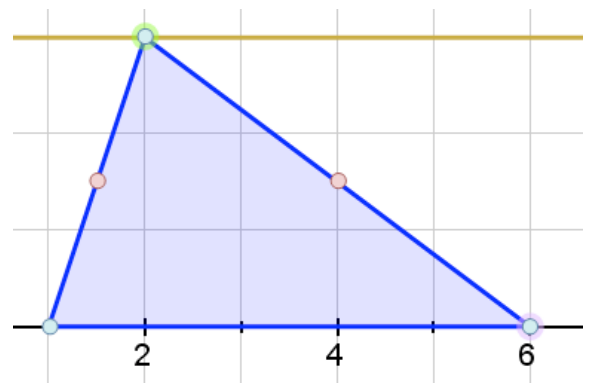
The Shape should be displayed.



2. From right click **Line**, create a Horizontal Line



3. Select the two points and create a **Midpoint**

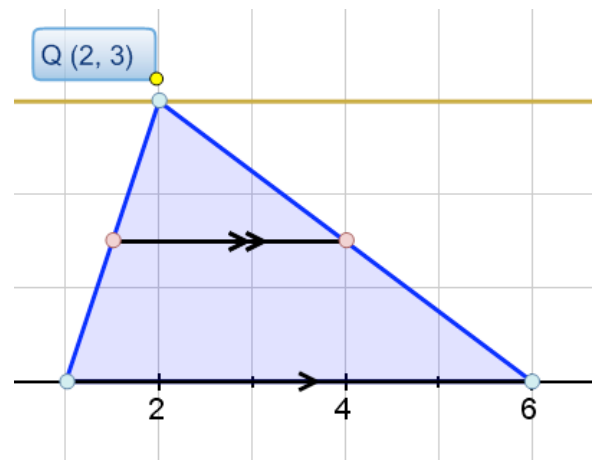
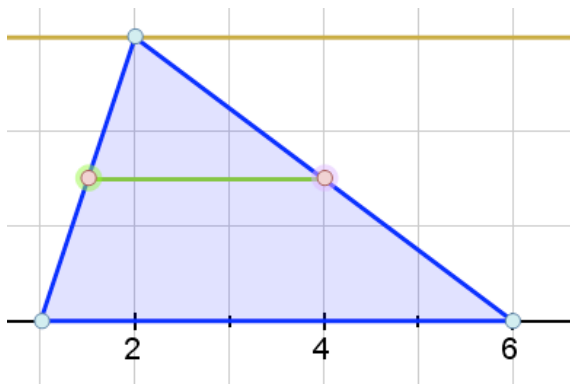


4. Using **Line Segment Mode**, connect the Base of the triangle and the midpoints



5. Select the two line segments right click. From the **Line** select **Parallel Test**

Angle between Lines...
Parallel Test
Equality Test

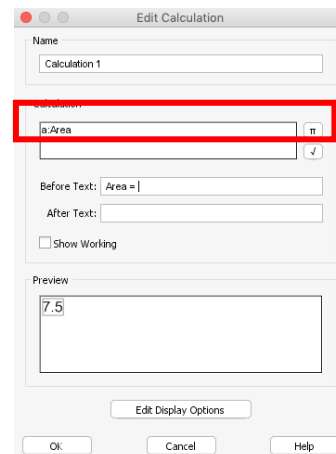


6. Use the **Calculator** to calculate the Area of the triangle.

Click  then select the triangle

You should be able to calculate **Area**

In the **Before Text** enter Area =



Autograph Webinar

Lines Test Tasks: 1

1. See if you can set up your own line test for Parallel lines