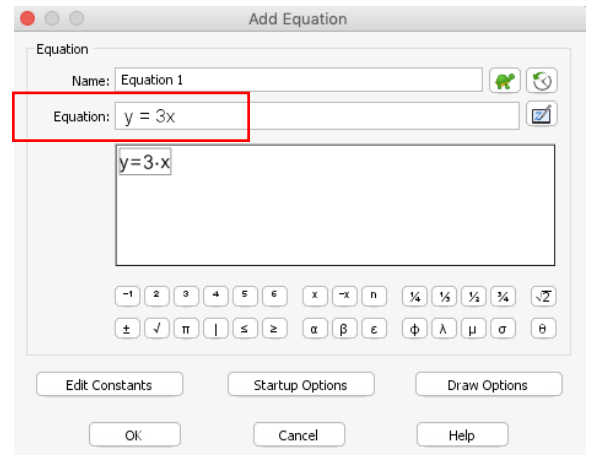
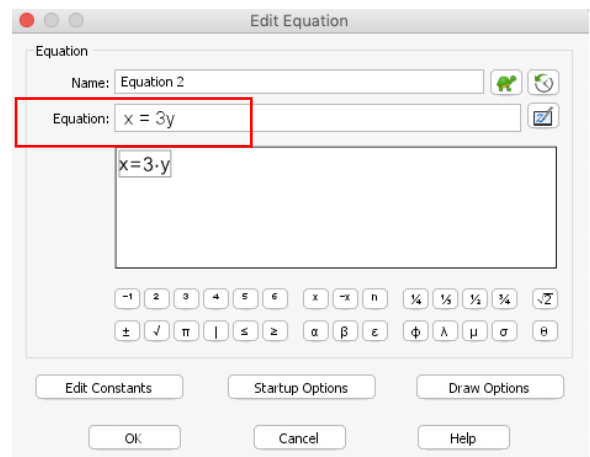


1. Enter the Equation $y = 3x$



2. Enter the Equation $x = 3y$

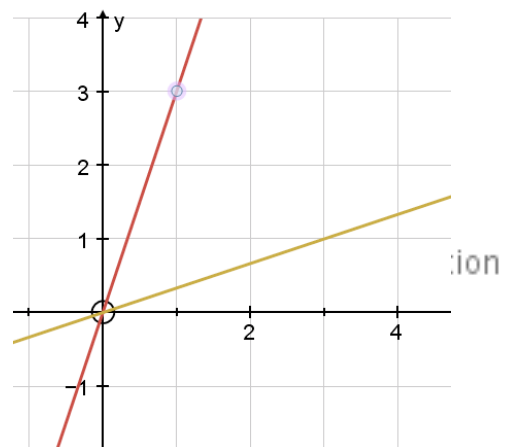


3. Add a point to the line $y = 3x$



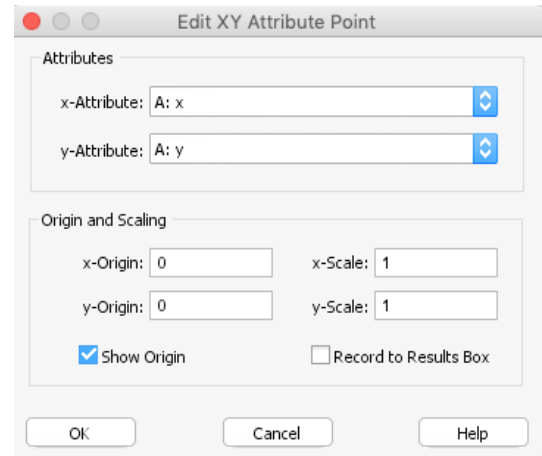
4. Both graphs should have been drawn and you now have a point on the line $y = 3x$

Select **Ok**



4. Click 

The **Edit XY Attribute** Point dialog box will open



5. Set the **x-Attribute** to be y
Set the **y-Attribute** to be x

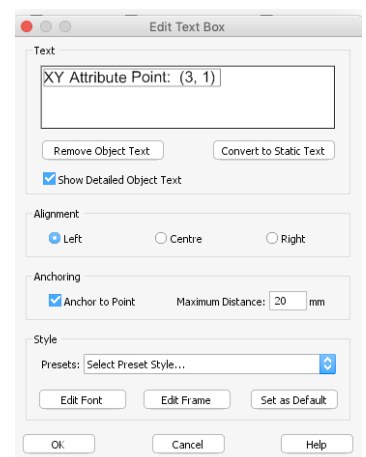
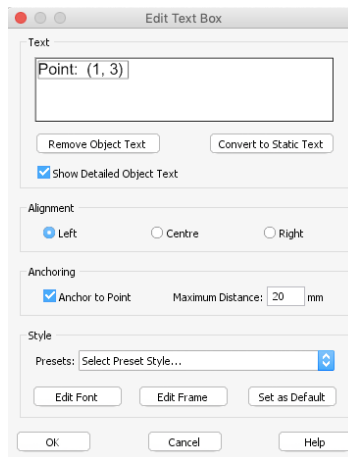
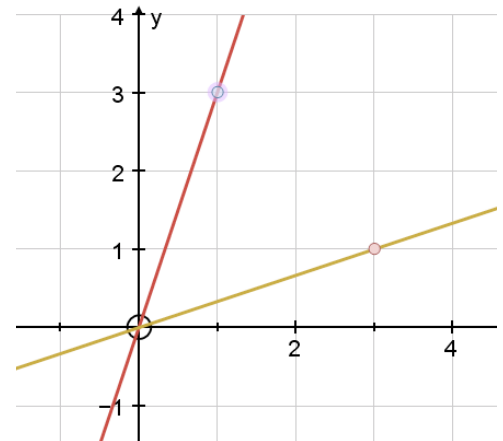


6. The graph with attribute point will be Displayed.

As we are standard mode, change the snap setting using the icon on the toolbar

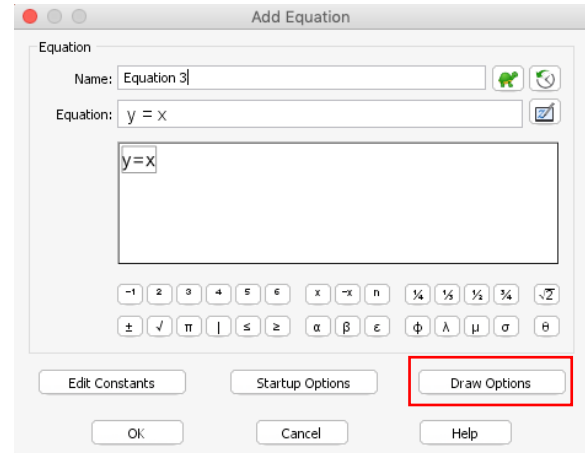


Use the textbox to display the coordinates of the point and the attribute point.



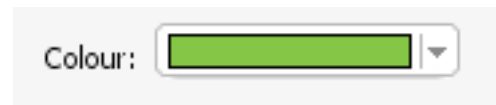
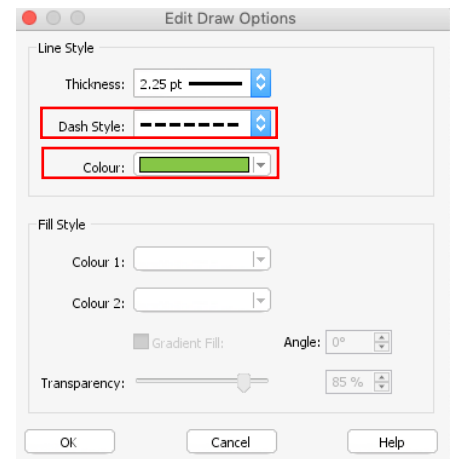
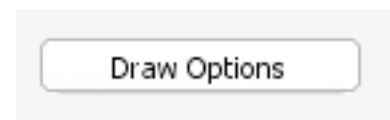
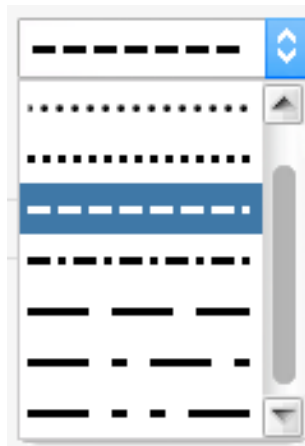
7. The graph with attribute point will be Displayed.

Enter equation... $y = x$



Before you click ok, select

The **Edit Draw Options** dialog will be displayed



Change the dash style and the colour. Click **Ok**.

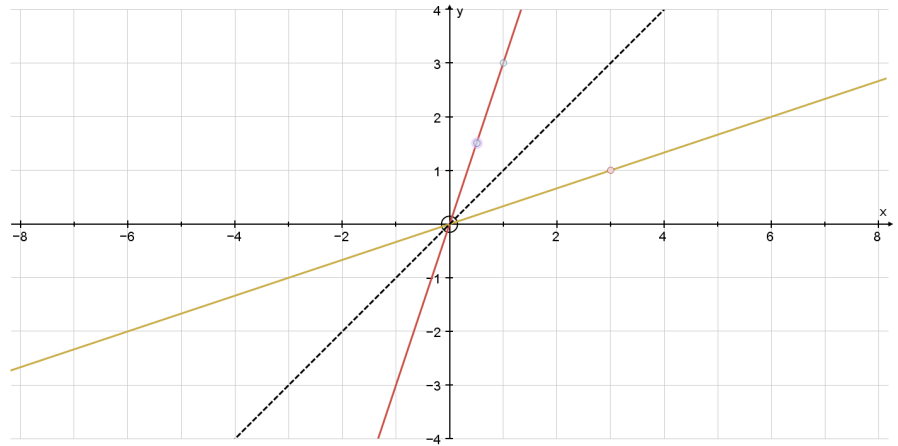
8. Create a second point on the line $y = 3x$



Select the point and the line $y = 3x$




You may need to be in Select mode if
You are not already.

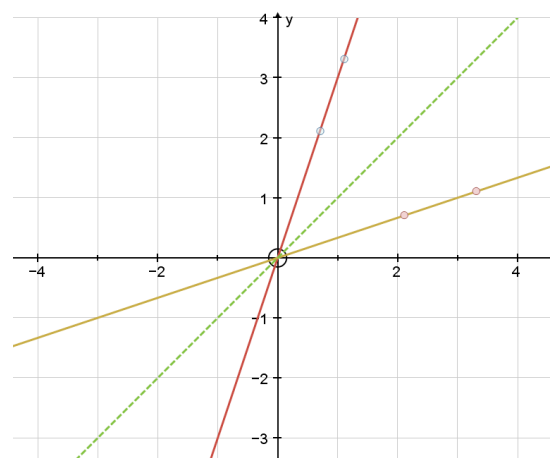


9. Create a second point on the line $y = 3x$

Select the point and the line $y = 3x$

- 
- Enter Equation...
 - Text Box...
 - Calculation...
 - Edit Co-ordinates...
 - Edit Draw Options...
 - Edit Label...
 - Delete Objects
 - Hide Objects
 - Hide/Unhide Objects...
 - Show Labels
 - Attach to Object
 - Paste Image
 - Point
 - Line
 - Create
 - Transform

Reflection





1. Try to create the inverse function for $y = 5x$
 $x = 5y$

2. Try to create the inverse function for $y = ax$
 $x = ay$

You may need to amend the step.

3. Try to animate the inverse function for $y = ax$ using the constant controller
 $x = ay$