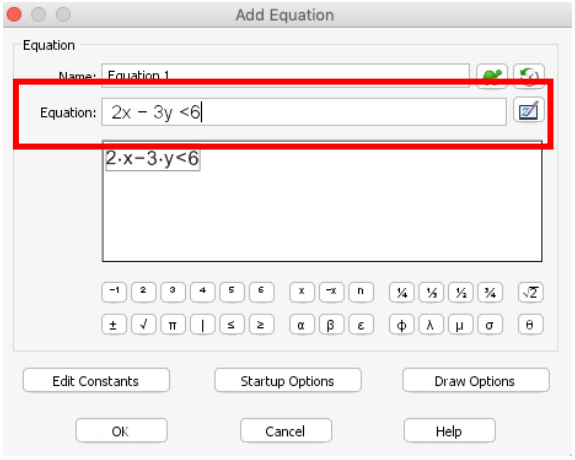
Autograph Webinar
How to: Inequalities

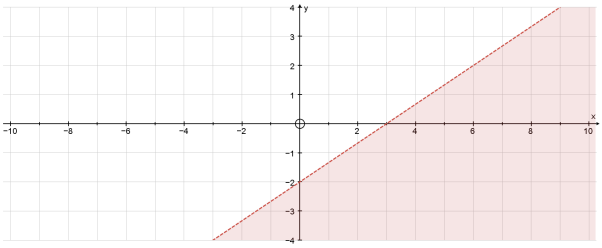
1. Enter Equation 2x – 3y < 6

Click OK

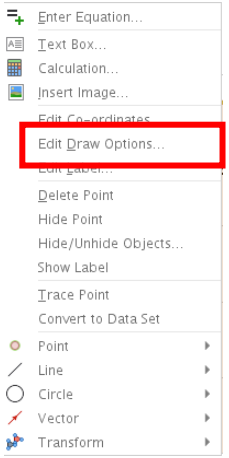


2. The inequality will be displayed.

Create a point using **Point Mode**



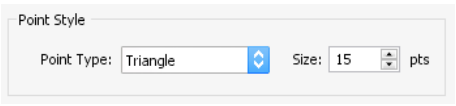
3. Right click the point and select **Edit Draw Options**

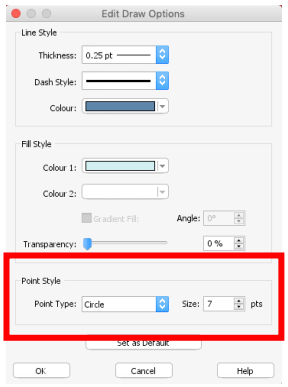


4. The **Edit Draw Options** dialog box will open.

Set the **Point Style** to: **Triangle**

Increase **Size** to: **15**





5. Change the **Snap Setting** to be: **0.1**

Edit Draw Options

6. Click the **Calculator**

The **Edit Calculation** dialog box will open.

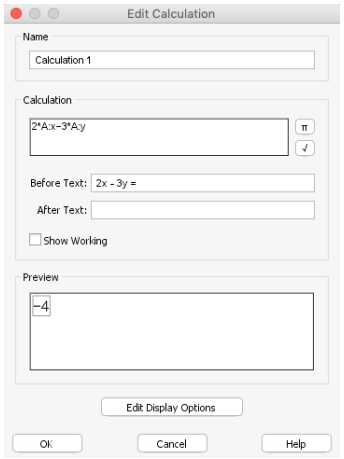
Enter the inequality by using the properties of the point.

In this case,

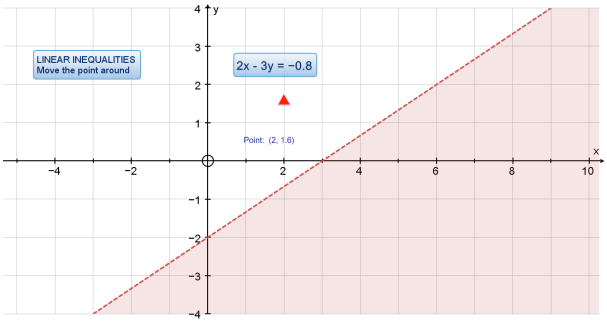
3 * click **Point** and choose x

\- 2 * click **Point** and choose y

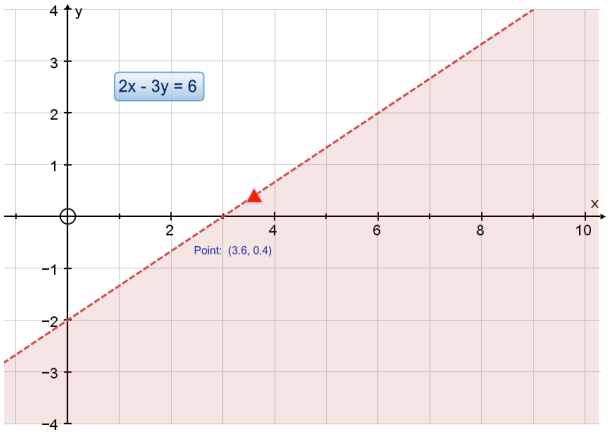
This is the dialog that should appear when the point is selected.



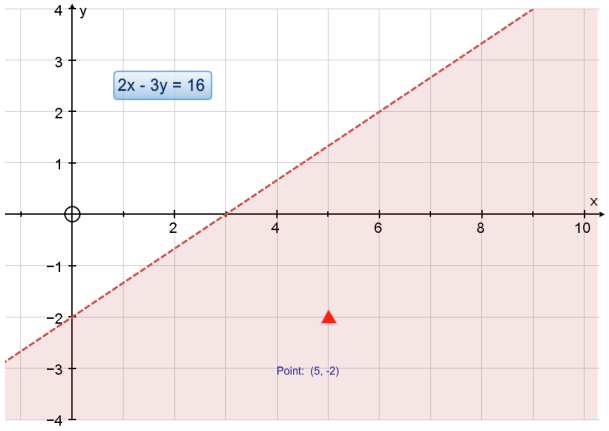
7. Move the Point to investigate the inequality
le in this case:



less than 6,



equal to 6



and then more than 6

1. Create the following inequalities: **x < 4**

2. Create the following inequalities: **y < 3**

3. Create the following inequalities: **2x > 5**

4. Create the following inequalities: **x > 8**
x ≤ 2

5. Create the following Inequality diagram:

-2.5 < x < 7
0 ≤ y ≤ 5¼

6. Create a diagram and write the inequalities that:

a) **Create a shaded rectangle**
b) **An unshaded square**
c) **A shaded rectangle with length double its width**

Hint: Can you use the **Constant Controller** to do this so you can alter the values?