

Coordinates & Lines

While working in a group make sure you:

- Expect to make mistakes but be sure to reflect/learn from them!
- Are civil and are aware of your impact on others.
- Assume and engage with the strongest argument while assuming best intent.

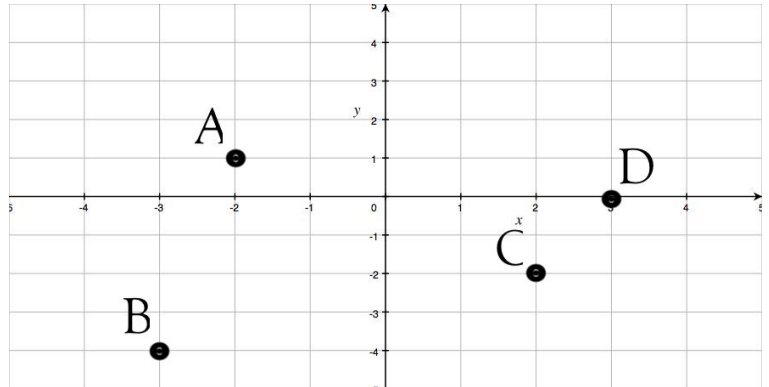
1. Write down the Cartesian coordinates for:

A

B

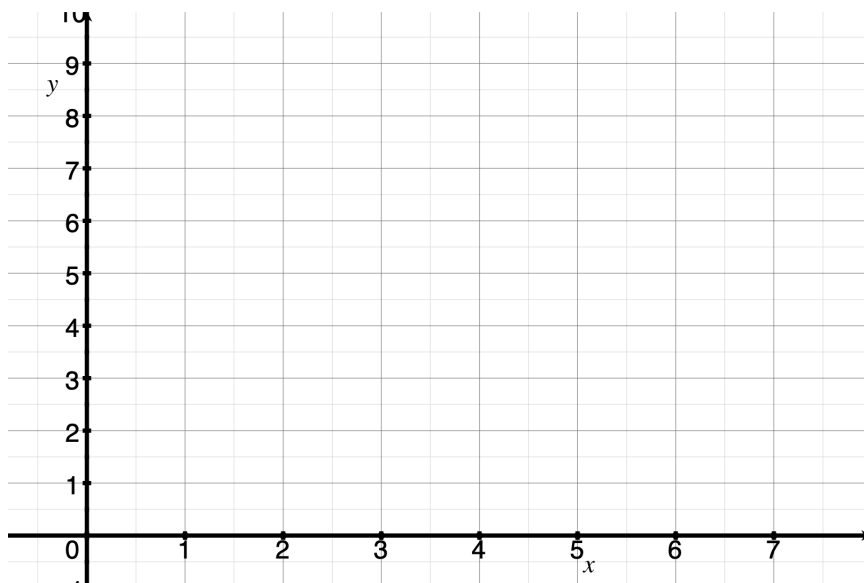
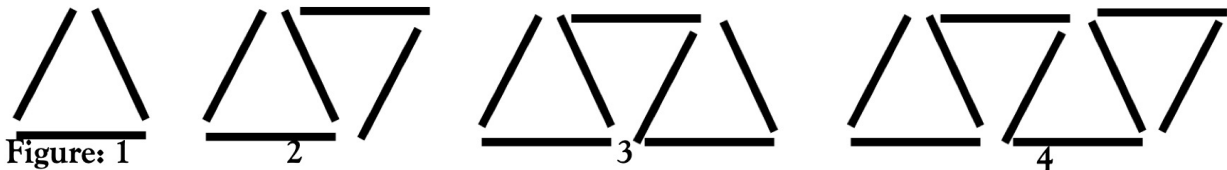
C

D

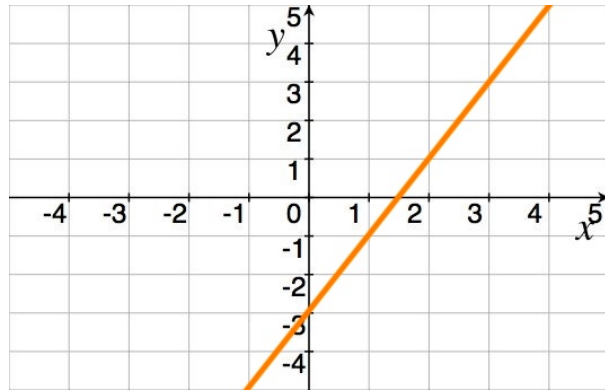


2. Mark the coordinate α at $(0, 3)$ and β at $(-1, 4)$

3. Ryan is building a toothpick sequence as shown below. Let the figure number be the independent variable coordinate and the number of toothpicks used, the dependent variable coordinate. Graph the four coordinate points corresponding with the four figures below.



4. Find the slope of the line.



5. Arrange the following slopes in order from steepest to most flat:

$$\frac{1}{4}$$

$$\frac{3}{4}$$

$$\frac{7}{3}$$

$$2$$

6. Find the equations for the two lines below

