

The triangle JKL is shown below.

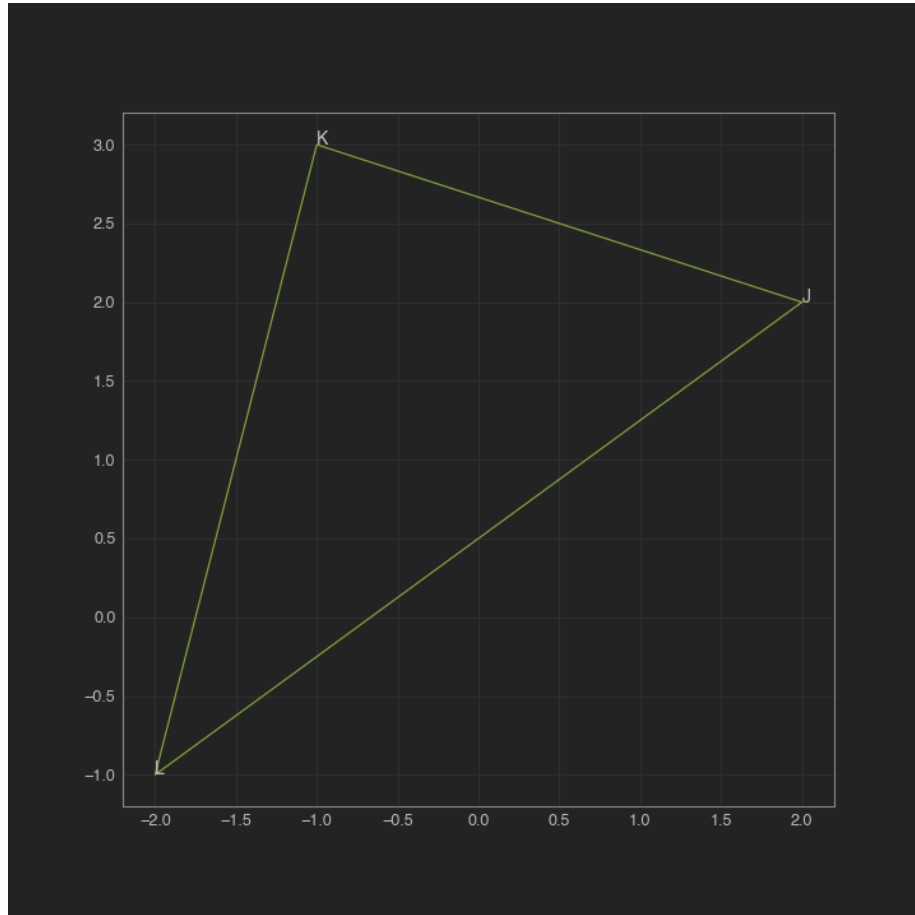


Figure 1: Triangle JKL

To determine whether or not this triangle is a right triangle, I will calculate the slopes of JK and KL and see whether or not they are perpendicular to each other.

$$\text{slope}_{JK} = \frac{3 - 2}{-1 - 2} = -\frac{1}{3} \quad (1)$$

$$\text{slope}_{KL} = \frac{-1 - 3}{-2 - (-1)} = \frac{-4}{-1} = 4 \quad (2)$$

(3)

Since the slopes are not negative reciprocals of each other, the triangle JKL is not a right triangle.