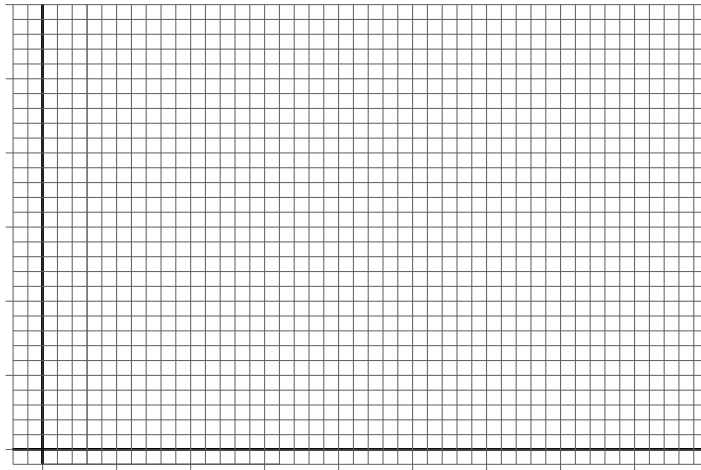The approximate height of the winning pole vault during the early years of the Olympics is shown in the table below.

Year	1900	1904	1908	1912
Height	130"	138"	146"	154"

1) Using this data, plot the ordered pairs on a piece of graph paper and the TI-83+. Be sure your plot displays the points clearly. Label your axes.

2) Explain why a particular axis should represent Years and the other Heights.

3) Using your plot, predict the height of the winning pole vault in 1920.

4) Find the equation (slope-intercept form) for your plot and use it to predict the height of the winning pole vault in Atlanta, 1996. Attach your work.

5) In 1996, Jean Galfione, from France, held the Olympic record in the pole vault at 19 feet, 5 inches. Knowing this Olympic fact, explain why your answer in (4) is, or is not correct.