Name	
Date	Hr.

Jumping Jacks Activity

Step 1: Record Information (Teacher Led)

Step 2: Graph data values (Use the graph I've provided for you below)

Step 3: Complete Reflection Questions (on the back page)

Use formula: $\frac{y_2-y_1}{x_2-x_1}$ where (x_1, y_1) and (x_2, y_2) .

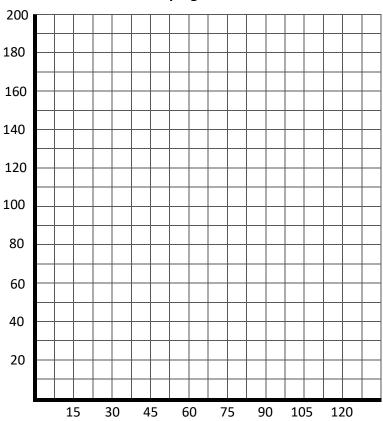
Step 1: Do jumping jacks for 2 minutes, recoding how many you have done every 30 seconds.

Use the table to record your data.

Time (x)	Number of Jumping Jacks (y)
0 sec.	0
After 30 sec.	
After 60 sec.	
After 90 sec.	
After 120 sec.	

Step 2: Graph Data. [Label x and y axis according to table.]

Number of Jumping Jacks in 2 Minutes



Name	
Date	Hr.

Jumping Jacks Reflection Questions

1.	Use the two ord	dered	pairs on	your graph	from 0 sec	conds to 30	seconds.
	Find the slope	(0)) (30)			

2.	Use the two ordered pairs on your graph from 30 seconds and 60 seconds
	Find the slope. (30,) and (60,)

- 3. Use the two ordered pairs on your graph from 60 seconds to 90 seconds. Find the slope. (60, ___) (90, ___)
- 4. Use the two ordered pairs on your graph from 90 seconds to 120 seconds. Find the slope. (90, ___) (120, ___)
- 5. Reflect on the changes in your speed during the 2 minutes that you recorded data. [You must include information from your calculations above AND your graph to support your claim.]

<u>Useful word phrases/Information to possibly use:</u>

"steepness" "got tired" "rate of change" "increase of time" "increase" "decrease" "constant" "in shape" "not in shape" "exhausted" "jumping jacks per second" "speed" "speed up" "slowed down"

