Day 2- Walking at a Steady Pace

- In your groups, use the CBR2 and a graphing calculator to create each graph.

1. [Graph Image]
2. [Graph Image]
3. [Graph Image]

A. Explain how you would have to move to create each of the graphs above. Be specific in regards to distance and speed.

1. __________________________________________________________
   __________________________________________________________
   __________________________________________________________
2. __________________________________________________________
   __________________________________________________________
3. __________________________________________________________

B. Explain how you would have to move to create each of the graphs above. Be specific in regards to distance and speed.

1. __________________________________________________________
   __________________________________________________________
2. __________________________________________________________
   __________________________________________________________
3. __________________________________________________________
C. Explain how you would have to move to create each of the graphs above. Be specific in regards to distance and speed.

1. ______________________________________________________________________
______________________________________________________________________

2. ______________________________________________________________________
______________________________________________________________________

3. ______________________________________________________________________
______________________________________________________________________
Walking at a Steady Pace
Find the Equation—answer the following questions for both graphs

D. Using the CBR2 create one of the graphs from Question A or B.
E. Choose two points.

F. Your Points: (__,__) and (__,__)

G. Use these points to find the equation of your line. Show your work.

H. Find the slope of the line.

I. G. Find the y-intercept of the line.

J. Write the equation of the line.
K. \( y = \____x + \____ \) \quad rational form \quad \( y = \____x + \____ \) \quad decimal form

L. Rewrite the decimal form of the equation using the names of the variables instead of \( x \) and \( y \).
   \( \____ = \____ + \____ + \____ \)

Use the decimal form of your line to answer the following questions.

y=____x+______

M. How far could you travel in 10 minutes?

N. How long would it take you to walk a mile?