Dance your Way to the Top Worksheet

Directions: For each equation record your walk using the Vernier CBR 2 motion detectors and your calculator that match the equation. Record your direction for each equation and draw a rough sketch. Make sure to take a picture of each of your graph on you iPad.

1. Make a linear equation that has a positive slope.

Direction given: Graph your walk:



What could your equation of your graph be:

1. Make a linear equation that has a negative slope.

Direction given: Graph your walk:



What could your equation of your graph be:

1. Make a positive quadratic equation.

Direction given: Graph your walk:



What could your equation of your graph be:

4. Make a negative quadratic graph.

Direction given: Graph your walk:



What could your equation of your graph be:

5. Make a positive exponential equation.

Direction given: Graph your walk:



What could your equation of your graph be:

6. Make a negative exponential graph.

Direction given: Graph your walk:



What could your equation of your graph be: