What am I doing?

1. Jimmy is walking to school. He walks five minutes to a crosswalk then has to stop for traffic. Noticing the time he is going to be late to class so he starts to run and gets to class in two minutes just before the bell rings.

 Use a CBR to develop a graph and a table of what this might look like below

|  |  |
| --- | --- |
| X | Y |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

 What part of the graph is increasing? Why

 What part of the graph is decreasing? Why

 What part of the graph is constant? Why

 Identify any intercepts.

1. Janet is underwater in a submarine. She starts to ascend to the surface for 2 minutes but then changes her mind starts to descend because she sees something shiny on the ocean floor. She stops to find out it was a coke can so she ascends to the surface after finding nothing.

 Use a CBR to develop a graph and a table of what this might look like below

|  |  |
| --- | --- |
| X | Y |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

 What part of the graph is increasing? Why

 What part of the graph is decreasing? Why

 What part of the graph is constant? Why

 Identify any intercepts.

1. What do we notice happens to the graph when we walk away from the CBR?
2. What do we notice happens to the graph when we walk towards the CBR?
3. What do we notice happens to the graph when we don't move at all?