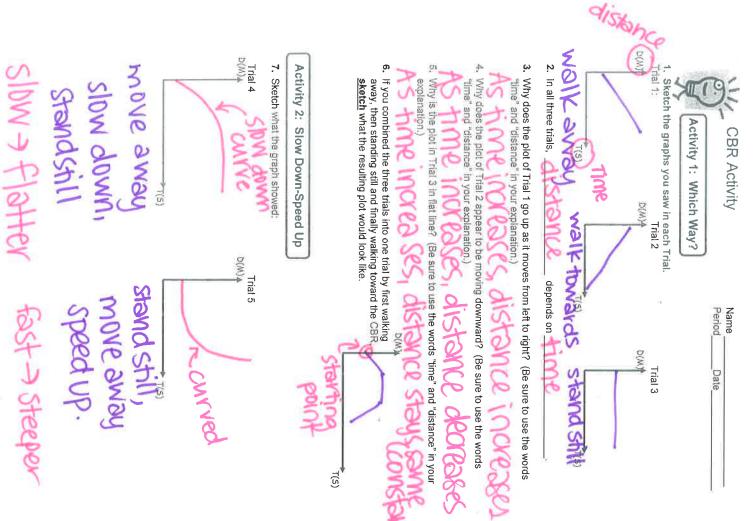
## EQ. How does the CBR make distance—time graphs?



8. Each plot in the two trials contains a section that is level or flat in appearance. What was the walker doing at that time?

## standing Still

9. In Trial 4, the walker began moving at a constant rate. What did you notice about the plot

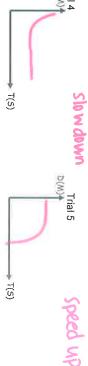
## straight line oping, up.

10. Summarize the effects that speeding up, slowing down, or moving at a constant rate wh walking away from the CBR have on the shape of a Distance-Time plot of the motion.

Speed 12

Speed 12

11. What would Trials 4 and 5 have looked like if the motion had been toward ather than away from the CBR? Sketch your predictions below.



## Now try these two problems:

 A) Draw a graph that represents the following of the distance left, she sees the bus coming, so she runs at a constant rate to catch it. She gets to the bus stop, but misses the bus. After a short rest, Stacy turns around and walkesituation: Stacy walks at a constant rate back home at a constant rate. |Label Axes from home to the bus stop. With a quarter

