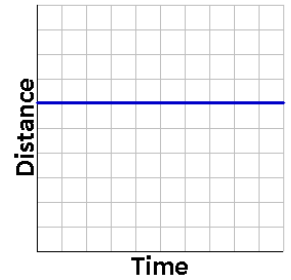


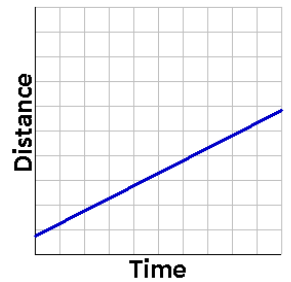
Distance Time Graphs Worksheet

A: Answer the following questions.

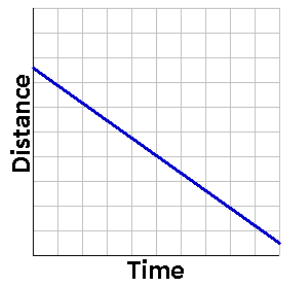
1. What do you do to create a horizontal line on a distance time graph?



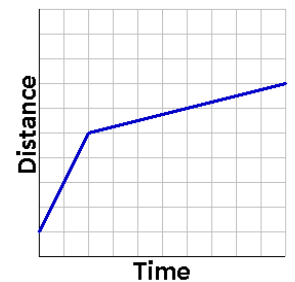
2. How do you walk to create a straight line that slopes up?



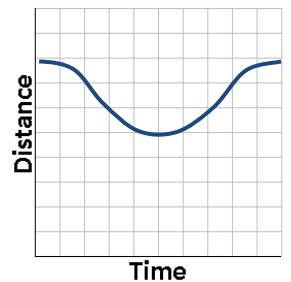
3. How do you walk to create a straight line that slopes down?



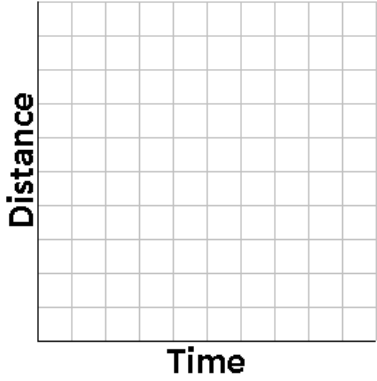
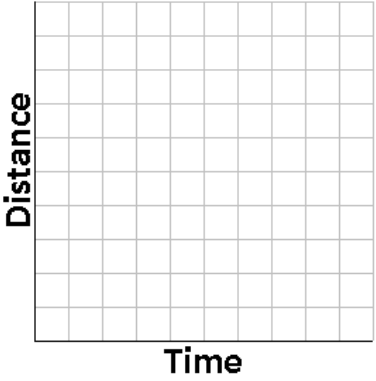
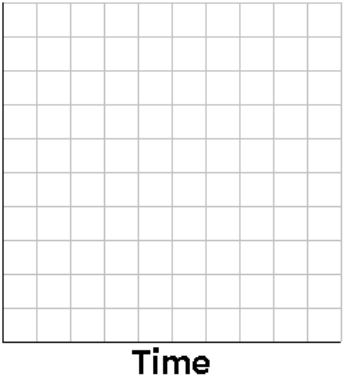
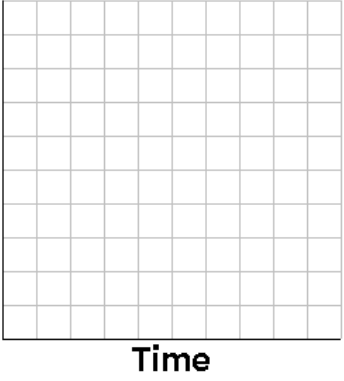
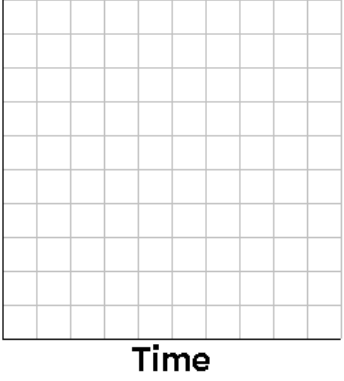
4. How do you move so that the graph slopes up steeply at first, then continues up gradually?



5. How do you walk to create a U-shaped graph?



B: Draw a distance-time graph for each of the following situations.

<p>a) A person who is stopped.</p> 	<p>b) A person walking away from the motion detector at a constant speed.</p> 
<p>c) A person walking towards the motion detector at a constant speed.</p> 	<p>d) A person walking away from the motion detector at a constant speed, but faster than the one in the graph above.</p> 
<p>e) A person walking away from the motion detector who starts out slowly and then speeds up.</p> 	<p>f) A person walking towards the motion detector, who starts off quickly then slows down.</p> 