A rabbit starting from rest accelerates to 15 m/s in 5 sec.

1. Draw a qualitative motion map.
2. Sketch a qualitative x vs. t, v vs. t, and a vs t graph.



1. What is the average acceleration of the rabbit?
2. Create a quantitative graph of v vs. t and a vs. t.



1. Show on the v vs. t graph how you would determine the displacement of the rabbit?
2. Solve for the displacement using the graph.
3. Calculate the displacement using the correct general equation.