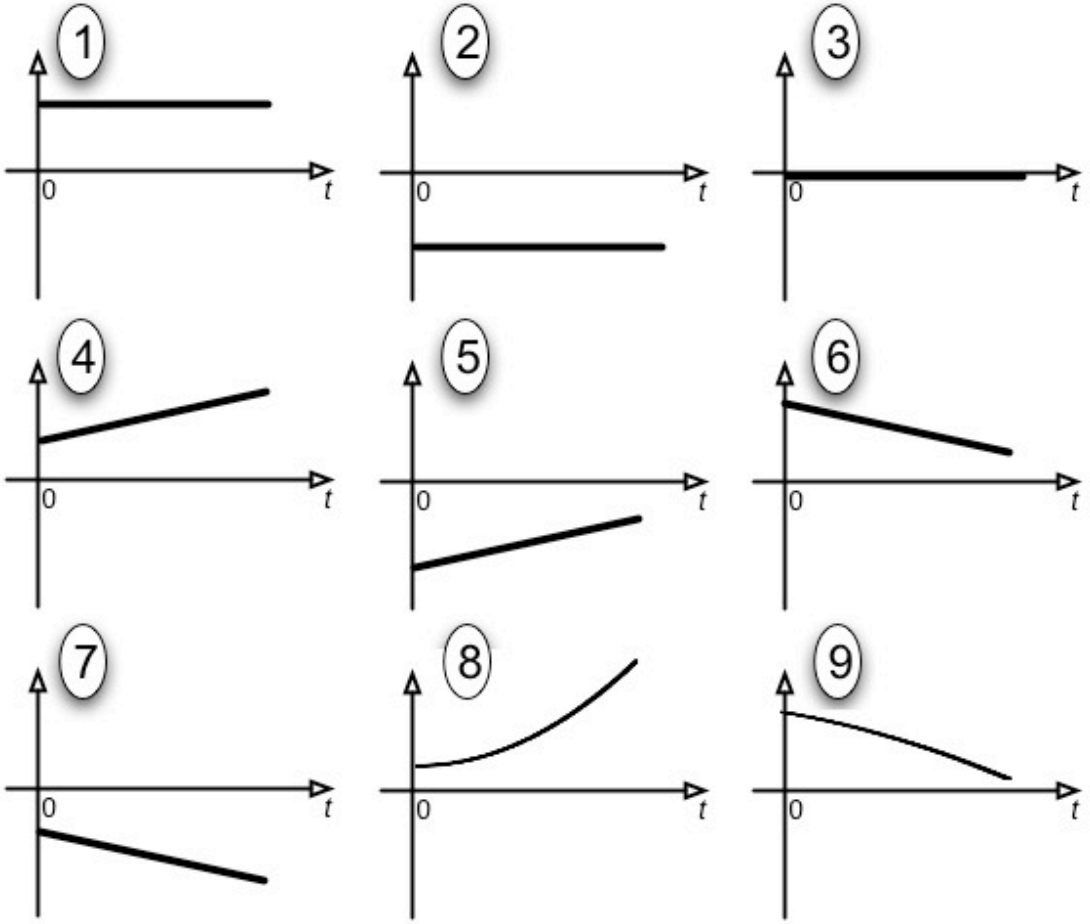
- For each of the next three clicker problems, write on your white board
  - The variable
  - The number of the graph you chose
  - A sketch of the graph you chose (with the axes labeled)

A small toy car can move along a horizontal track. Its position is measured by a sonic ranger.

When the motion detector is turned on the car is moving towards the left and is slowing down at a uniform rate.

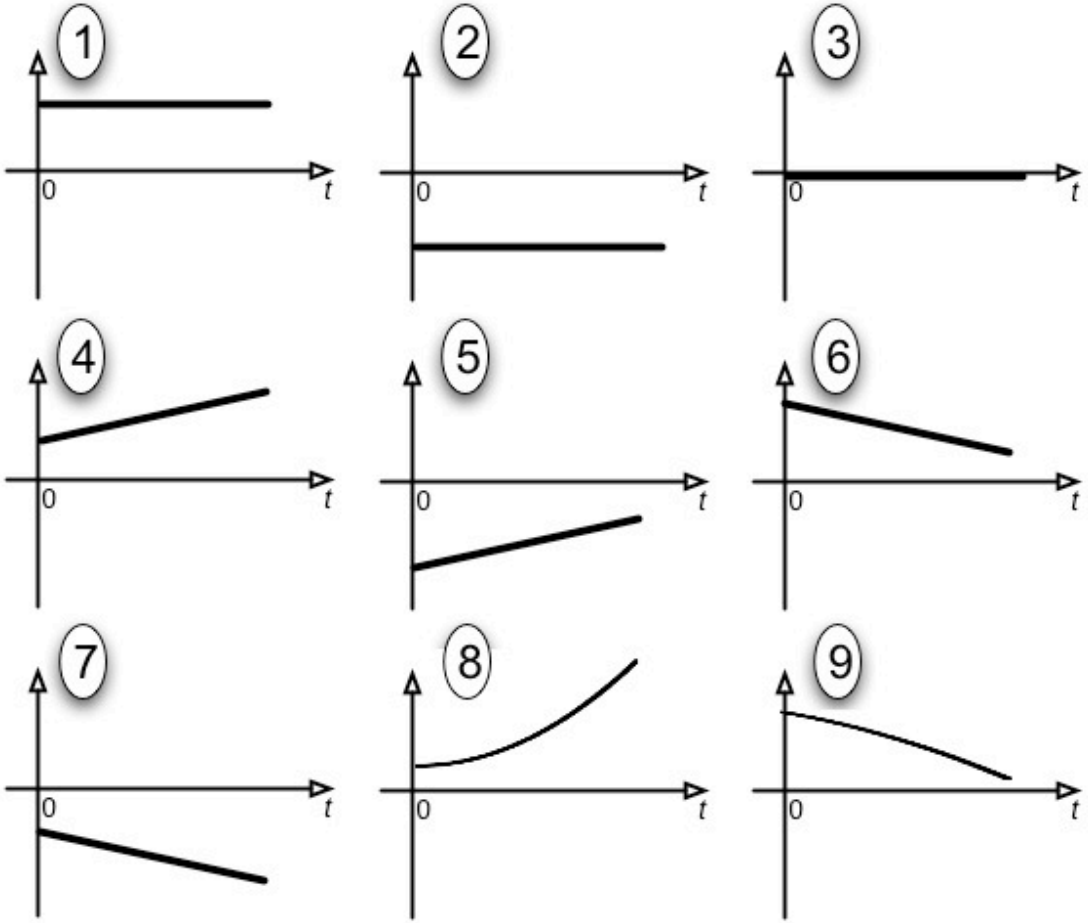
Which would be the graph of **velocity** shown on the screen?



A small toy car can move along a horizontal track. Its position is measured by a sonic ranger.

When the motion detector is turned on the car is moving towards the left and is slowing down at a uniform rate.

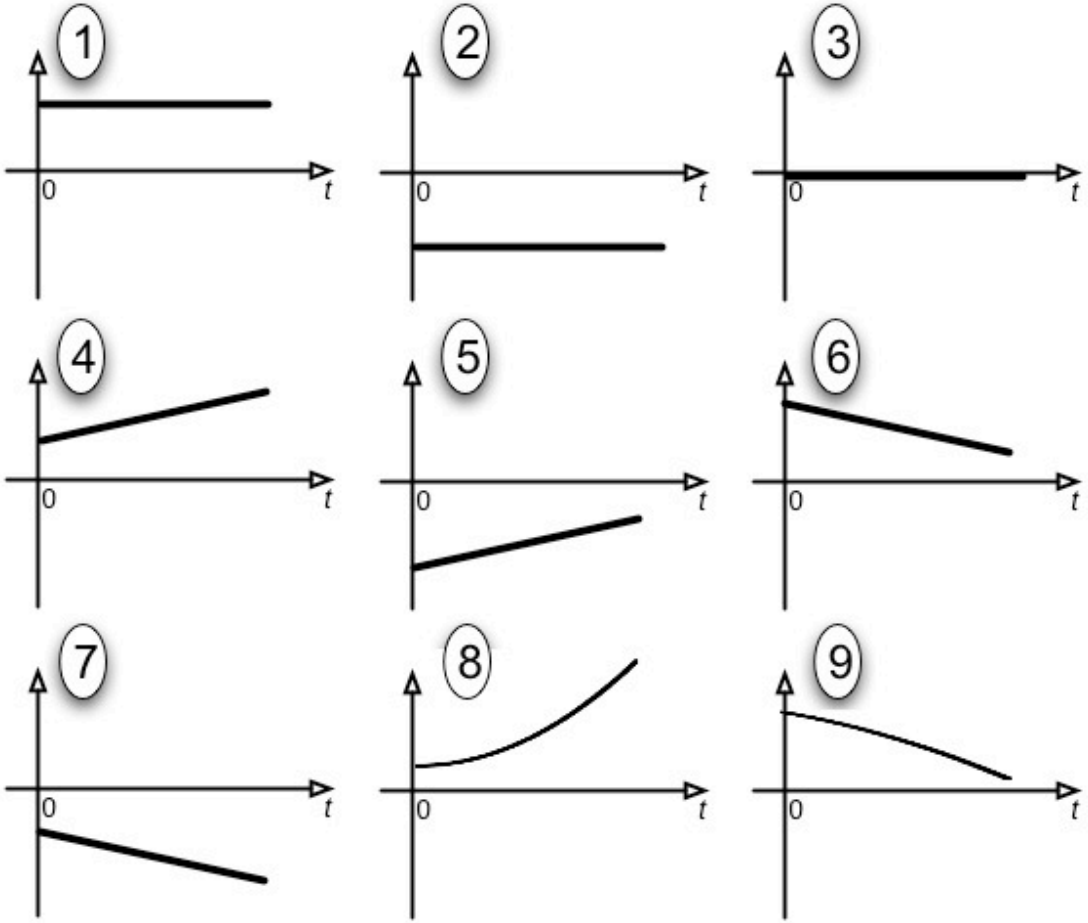
Which would be the graph of **position** shown on the screen?



A small toy car can move along a horizontal track. Its position is measured by a sonic ranger.

When the motion detector is turned on the car is moving towards the left and is slowing down at a uniform rate.

Which would be the graph of **acceleration** shown on the screen?



- Are your three graphs consistent?
- Discuss your choices
  with your working group.
- What did you decide?
  - 1. The were all consistent.
  - 2. Two were consistent but a one was not.
  - 3. They were not at all consistent.