Virtual Lab: Moving Man Simulation

Visit Phet.colorado.edu and click the magnifying glass to search for "Moving Man" simulation. Here's the direct url for the simulation:
https://phet.colorado.edu/sims/cheerpj/moving-man/latest/moving-man.html?simulation=moving-man

In the simulation, keep the "Introduction" tab open. You will not need to use the "Charts" tab at this time. You are able to click on the man and move him back and forth. Ignore the Acceleration, but pay attention to the Position and Velocity.

Answer the following questions:

1. Describe how it is possible to make the man's velocity negative while the man's position is positive.

2. In general, when the man is to the _____ of zero, his position is positive.
   right OR left

3. When the man is moving to the right his velocity is _____, but when he
   positive OR negative

   moves to the left his velocity is _____.
   positive OR negative

4. Which situation describes when the man's velocity was positive, but his position was negative?

   A) The man is moving toward zero from the left of zero
   B) The man is moving toward zero from the right of zero
   C) The man is moving away from zero from the left of zero
   D) The man is moving away from zero from the right of zero

5. Which situation describes when the man's velocity is negative, but his position was positive?

   A) The man is moving toward zero from the left of zero
   B) The man is moving toward zero from the right of zero
   C) The man is moving away from zero from the left of zero
   D) The man is moving away from zero from the right of zero