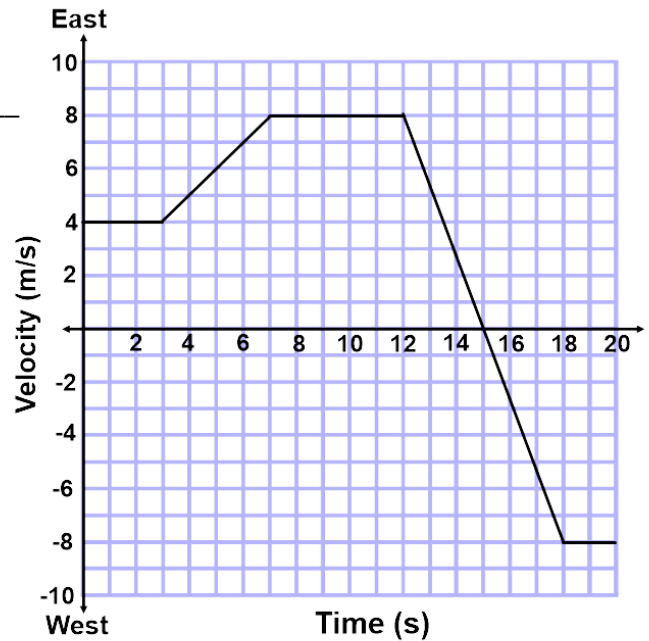


Physics 112: Graphing Practice Questions MC

Answer the following questions based on the given graph.



1. The direction of the acceleration from 3 to 7 seconds is _____
 - a. East
 - b. West

2. At what time did the direction of the object change?
 - a. 3 second mark
 - b. 12 second mark
 - c. 15 second mark

3. Between 12 and 15 seconds, what is the direction of the velocity and why?
 - a. East because the velocity values are positive
 - b. West because the slope is negative

4. Did the object travel a further distance east or west and why?
 - a. East because of the greater area contained above the time axis
 - b. West because the object was traveling west at the end of 20 seconds.

5. During what time interval was the acceleration the opposite direction of the object's motion?
 - a. 15 to 18 seconds
 - b. 12 to 15 seconds
 - c. 3 to 7 seconds

6. Calculate the distance traveled during the first 7 seconds
 - a. 56m
 - b. 36m
 - c. 28m
 - d. 12m

7. Calculate the acceleration between 12 and 18 seconds
 - a. -2.67m/s^2
 - b. 2.67m/s^2
 - c. -0.375m/s^2
 - d. 0.375m/s^2

8. Calculate the distance traveled west
 - a. -28m
 - b. 28m
 - c. -40m
 - d. 40m