7.RP Robot Races, Assessment Variation

The students in Carli's class built some solar-powered robots which they raced in the cafeteria of the school.
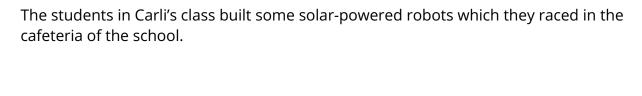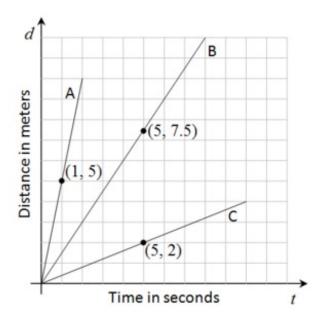
After the race, Carli drew the graphs shown below to represent the distance d, in meters, that each of three robots A, B, and C traveled after t seconds.

a. Which of the following statements about Robot B are true? (Select all that apply.)

i. Robot B traveled in a different direction than the other two robots.

ii. Robot B traveled 5 meters in 7.5 seconds.

iii. Robot B traveled 7.5 meters in 5 seconds.

iv. Robot B traveled $\frac{2}{3}$ meters per second.

v. Robot B traveled $\frac{3}{2}$ meters per second.

vi. None of these are true.

b. How do the speeds of the robots compare? (Choose one.)

i. The Robots all traveled at the same speed, they just left at different times.

ii. Robot [▼] is the fastest and Robot [▼] is the slowest.

iii. There is not enough information given to compare how fast the robots traveled.