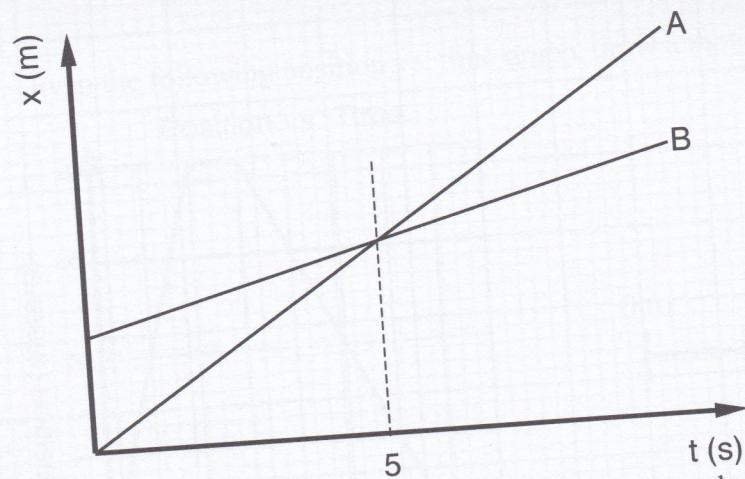


3. Consider the position vs. time graph below for cyclists A and B.



a. Do the cyclists start at the same point? How do you know? If not, which is ahead?

b. At $t = 7\text{ s}$, which cyclist is ahead? How do you know?

c. Which cyclist is traveling faster at 3 s ? How do you know?

d. Are their velocities equal at any time? How do you know?

e. What is happening at the intersection of lines A and B?

f. Draw a motion map for cyclists A and B.

