Derby races du Fri. 1/16 · No outside of class work time · Appx. 40-50 minutes/class · Is this on fair for you? WRITE A NOTE (name + date) & turn in

Acceleration occurs when: · An object speeds up · An object slows down An object changes direction velocity 2 U-U = initial velocity

The time m

Units for acceleration: 50 (dist time) Alleleration is a vector -> direction matters -> Step 4: if you calculate acceleration, put a direction!

-> (make up a direction if it's unclear)

A baseball is thrown at someone's hair. The baseball starts with a Velocity of 4.2 m/s. 3.1 seconds later, it is traveling at 7.4 m/s. What is the baseball's acceleration?

#11 | a. 
$$t = 3.1s$$
  $v_0 = 4.2 \text{ m/s}$   $v_0 = 7.4 \text{ m/s}$  | b.  $v_0 = 7.4 \text{ m/s}$  | b.  $v_0 = 7.4 \text{ m/s}$  | c.  $v_0 = 7.4 \text{ m/s}$  | d.  $v_$