Assignment 6: Due Mon Sept 25th Stardate 242-06: Spaceship A is 10 lightyears due west of Spaceship 8 (in the plane, which we will describe with cardinal directions. Ship A is traveling due north at 1 lightyea. hour, and Ship B is traveling due west at 2 lightyears / hour. In order to establish I link, the ships must be close, and the speed of one ship sative to the other must be jow distance between the two ships is charbing. -Let h be the distance between the two ships. Find -Find dh/dt 3 hours after Stardate 2 ly/hr 10 ly

#92+ #802 (2/1) = (2/420) 你的一个一个一个一个 64/45-4101=d=(4)\$6-(8,A) = motorio. \$1/5=10 5/=4/9/+2/10=2/=2/14)+2(ME)=2/=24+20=4 :. M= 5 LY cont.