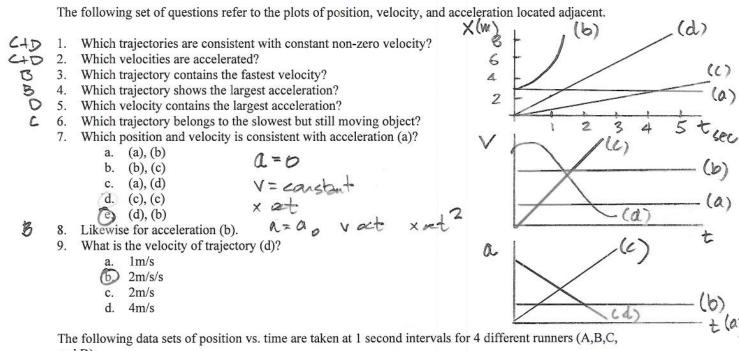
Physics 110 Midterm Exam

Answer the following questions by bubbling the scantron sheet. You are allowed to use a calculator and up to four cheat sheets. Good luck.



and D):

- A. 1m, 2m, 3m, 4m, ...
- B. 3m, 12m, 27m, 48m, ...
- C. 1m, 3m, 5m, 7m, ...
- D. 5m, 20m, 45m, 80m, ...
- B+D 10. Which are constant acceleration?
- A+C11. Which are constant velocity?
 - 12. What is the acceleration of runner D?
 - a. 0 m/s/s
 - (b.) 10 m/s/s
 - c. 10 m/s
 - d. 6 m/s/s
 - e. 2 m/s/s
 - 13. What is the acceleration of runner C?
 - (a) 0 m/s/s
 - b. 10 m/s/s
 - c. 10 m/s
 - d. 6 m/s/s
 - e. 2 m/s/s
 - 14. Two balls are thrown with the same $v_{x\theta}$ but different speeds. Ball 1 lands twice as far away as Ball 2. What is the relationship between the v_{v0} of each ball?
 - They are the same 1 is twice that of 2 1 is $\sqrt{2}$ that of 2 d. 1 is 4 times that of 2
 - e. 1 is $\frac{1}{2}$ that of 2

