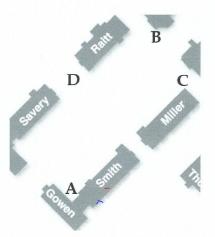
8. At noon, Alex exits Smith Hall at point A on the map shown and starts walking at constant speed directly towards the Art building (point B), hoping for a cup of coffee at Parnassus. She gets to point *B* after 60 seconds.

At the same time (noon), Matt is at point C (near the Music building), walking straight towards point D at a uniform speed of 2 feet per second, rushing to his next class.

Point B is 60 feet east and 110 feet north of point A. Point D is 80 feet due north of point A, and point C is 70 feet due east of point D.

Impose a coordinate system with the origin at point A.



(a) Determine parametric equations for Alex's coordinates t seconds past noon.

(b) Determine parametric equations for Matt's coordinates t seconds past noon.

SKALLET DE C