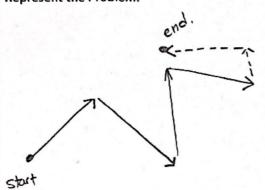
Problem Statement: what are components of

vectors A-D.

Represent the Problem:



Organize Information (Equations, Conversions, Knowns, Unknowns, Assumptions):

FX = IFICOSO

/FI= V(x)2+(452

FU IFISINO 0 = tour 1 9/x

Vector A: 2337 Ft, 45° NoFE

Vector B: 2875 ft, 23° 5 of E

Vector C: 3250 Ft, 73° Wof W

Vector D: 2235 Ft, 4 5 of E

Dx = 2000 Ftw Dy = 1000 Ft N.

Calculations: (Box your solutions when completed)

Vector
$$E$$
 May = $\sqrt{(2000)^2 + (1000)^2} = 2236 \text{ ft}$
· angle $0 = +\cos^{-1}(\frac{1000}{2000}) = 26^\circ \text{ Sof } E$

total distance traveled = 13697 Ft.

Evaluate Solution:

- My units are consistent and cancel throughout the calculations
 - My equations are appropriate for the physical system being evaluated
- My answer is reasonable given the magnitude of the values in the problem.
- My final solution answers the problem statement.
 - My final solution is in the appropriate form (vector or scalar)