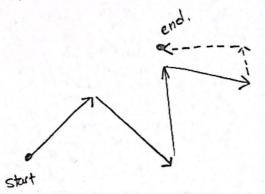


Problem Statement:

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 IFISING 0 = tour 1 9/

Vector A: 2337 Ft, 45° Nof E

Vector B: 2875 ft, 23" 5 of E Vector C: 3250 Ft, 73° Wof W

Vector D: 2235 Ft, 4° S of E

Dx = 2000 Ftw Dy = 1000 FtN.

Calculations: (Box your solutions when completed)

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

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)