

Scalar and Vector Practice Questions **Quantities**

Problem 1: Joshua jogs 225 m North, then 340 m West, and then 450 m South. Find the magnitude and direction of the resultant displacement.

Problem 2: Find the y-component and the magnitude of the vector when it is in the direction of 30° counterclockwise from the positive x-axis and its x-component of A is 10 m.

For numbers 3 to 5, find the magnitude of the vector A when

Problem 3: $A = 34\hat{i} + 6\hat{k}$

Problem 4: $A = -12\hat{i} - 4\hat{j} - 3\hat{k}$

Problem 5: $A = 24\hat{i} + 11\hat{j}$

