

1. Find the westward component of a resultant vector 85.42 unit,  $23^\circ$  W of N.
2. What is the east component of a vector 12.3 m,  $10.0^\circ$  N of E?
3. Calculate the N component of a resultant 32.5 m/s,  $35.0^\circ$  E of N.
4. You move 26 m at an angle of  $40.0^\circ$  W of S. (a) How far south of your starting point are you (in other words, what is the S component)? (b) How far west are you?