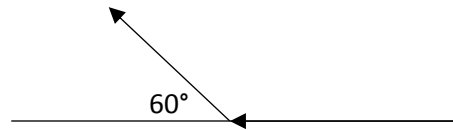
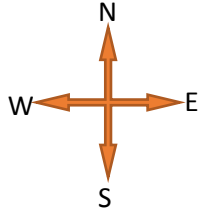


Question #67057, Physics / Mechanics | Relativity

Edward travels 150 kilometers due west and then 200 kilometers in a direction 60° north of west. What is his displacement in the westerly direction?

Solution:



Displacement in west direction: $d = d_1 + d_2 \cos(60^\circ) = 150 + 200 * \frac{1}{2} = 150 + 100 = 250m$

Answer: 250 meters

Answer provided by <https://www.AssignmentExpert.com>