Problem 3

Problem

As shown in the figure, ABCD is a trapezoid with the bases AB and $DC.AD = 24, DC = 7.\angle CBA = 45^{\circ}$ and $\angle DAB = 30^{\circ}$. Find the length of

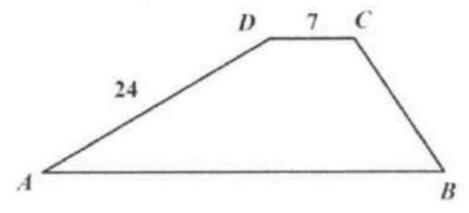
AB.

(A) $12 + \sqrt{3}$

(B) 13

(C) $12\sqrt{3}$ (D) $19 + 12\sqrt{3}$

(E) $24 + 3\sqrt{3}$



Solution

Solution not available.