Chapter 7, Deformation of Trusses

## Remarks: See § 7.2, pages 488 to 504

#### Answer:

a,b)

Member	Member force kN	$\Delta L_{\rm mm}$
AC	$-40\sqrt{10}$	$-\sqrt{10}$
AD	-40	-2
BC	$40\sqrt{10}$	$3\sqrt{2}$
BD	-40	-2
CD	0	0

d)

Joint	<i>u<sub>x</sub></i> mm	u <sub>y</sub> mm
А	0	0
В	-4	0
С	-10	0
D	-2	8/3

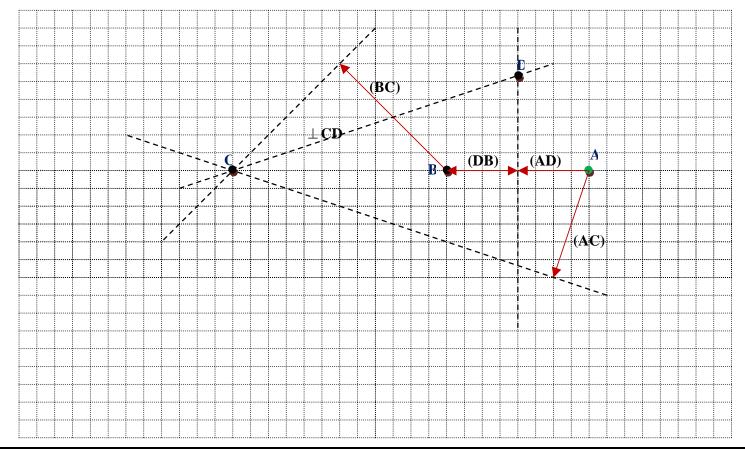
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# ANSWERS – VOLUME2: STRESSES, STRAINS, DISPLACEMENTS

Chapter 7, Deformation of Trusses

# problem 7.019, page 526

### c) Scale: 1 square = 0.5mm



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