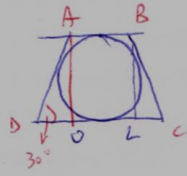


1.117
6



x? שורש כל אחד מהצדדים
($30^\circ, 60^\circ, 90^\circ - \triangle ADO$) $AD = 2x \leftarrow$

(פולן עקב) $AD + BC = 4x = AB + DC$

$$S_{ABCD} = 32 = \frac{x \cdot 4x}{2} \rightarrow |x=4|$$

$$AD = BC = 2x = 8$$

$$DO = LC = \sqrt{AD^2 - DO^2} = \sqrt{64 - 16} = \sqrt{48} = 4\sqrt{3}$$

$$AB + DC = 4x = 16 = 2AB + 2DO \rightarrow 8 = 4\sqrt{3} + AB$$

$$AB = 8 - 4\sqrt{3}$$

$$AB = 8 - 4\sqrt{3}, DC = 8 + 4\sqrt{3}$$