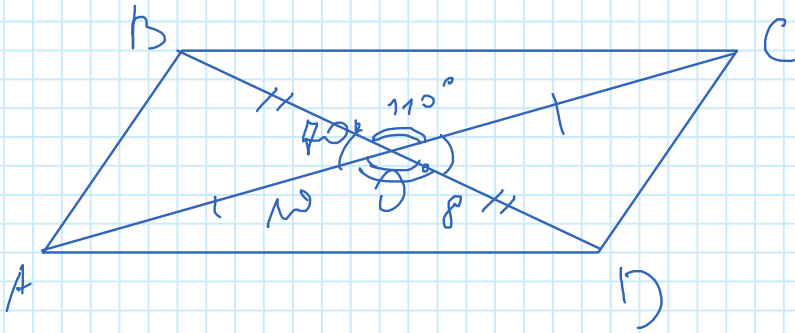




$$AO = 5 \text{ cm} \quad OD = 4 \text{ cm} \quad \angle AOD = 110^\circ$$

$$AD^2 = AO^2 + OD^2 - 2AO \cdot OD \cdot \cos \angle AOD$$

$$AD^2 = 25 + 16 - 40 \cdot (-0,342) = 54,68081$$

$$AD = 7,39465$$

$$DC^2 = OD^2 + OC^2 - 2OD \cdot OC \cdot \cos \angle DOC$$

$$DC^2 = 16 + 25 - 40 \cdot 0,342 = 24,31919$$

$$DC = 5,22648$$

$$AC^2 = AD^2 + DC^2 - 2AD \cdot DC \cdot \cos \angle ADC$$

$$100 = 54,68081 + 24,31919 - 2(7,39465)(5,22648) \cos \angle ADC$$

$$\angle ADC = \arccos(-0,232858) = 103,4653928^\circ$$

$$\angle ABC = \angle ADC$$

$$\angle BAD = \angle BCD = 180 - \angle ABC = 76,5346072^\circ$$