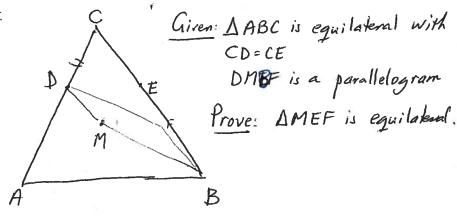
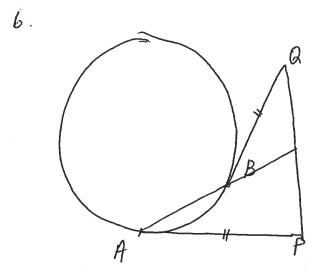
2003 Winter Camp Given LPAC=10° LPCA=20° DAB=30° LABC=40° 1. Find: LBPC ∠BAC = 20° LABC= 80° AD = BC Find: LADC 3. (CMO 1991) Let Che a circle, Pa given point in the plane Each line through P which intersects C determines a chord of C. What is the locus of the midpoints of these chords? Given: LCAB=900, ADIBC U, V are the centres of the respective inciviles of trianger ACD, ABP. Prove The angle bisector of LA is perpendicula to UV. 5. Giren: AABC is equilateral with centroid M CD=CE





At points A and B m a circle, equal tangents AP and BQ are drawn as indicated.

Prove that AB produced bisects PA.