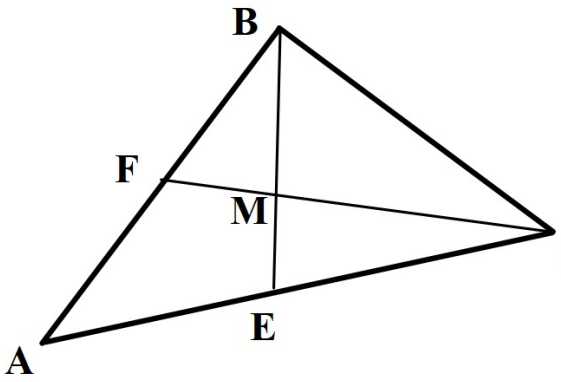

Пусть площадь треугольника ABC =S.
Тогда S(ΔBEC)= S/2. Но BM=2/3 BE.
=> S(ΔBMC)=2/3* S(ΔBEC)= S/2*2/3=S/3

S(ΔABE)= S/2. Но FB=AB/2 и BM=2/3* BE. => S(ΔFBM)=2/3*1/2*S(ΔABE)= S/2 *2/3*1/2=S/6

=> S(AFME)= S(ΔABE)-S(ΔFBM)=1/2*S-1/6*S= S/3
=> S(ΔBMC)= S(AFME)= S/3