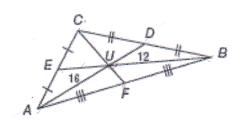
Station 3

In $\triangle ABC$, AU=16, BU=12, and CF=18. Find each measure.

U is the Centroid.

1. UD



2. EU

$$CU = \frac{2}{3}CF$$
 $CU = \frac{2}{3}(18) = 12$

4. AD

5. UF

$$UF = \frac{1}{3}CF$$
 $UF = \frac{1}{3}(18) = 6$

6. BE