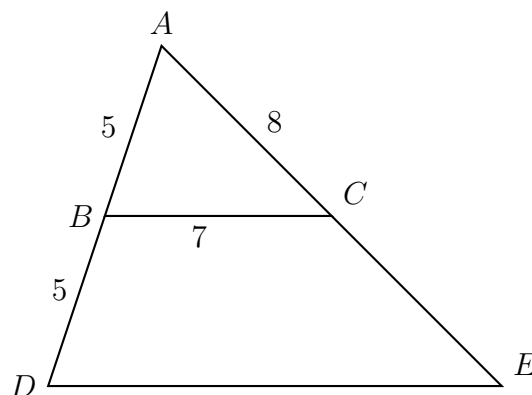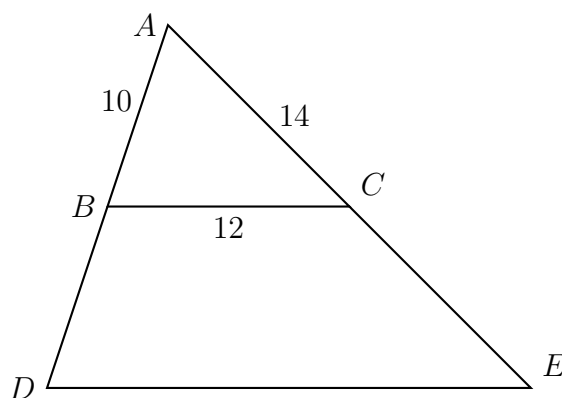**7-14 Triangle midlines and similar triangles**

1. Triangle ADE is drawn with $\overline{BC} \parallel \overline{DE}$, as shown. Given $AB = 5$, $BC = 7$, $AC = 8$, and $BD = 5$.

   Find CE, AE, and DE.

2. Triangle ABC is dilated with a factor of $k = 2$ centered at A, yielding $\triangle ADE$, as shown. Given $AB = 10$, $BC = 12$, and $AC = 14$.

   Find AD, AE, and DE.

3. Given $\triangle ABP$ and $\triangle JKP$ as shown below. $\overline{AB} \parallel \overline{JK}$. $AP = 5.7$, $JP = 11.4$, and $JK = 14.8$. Find AB.