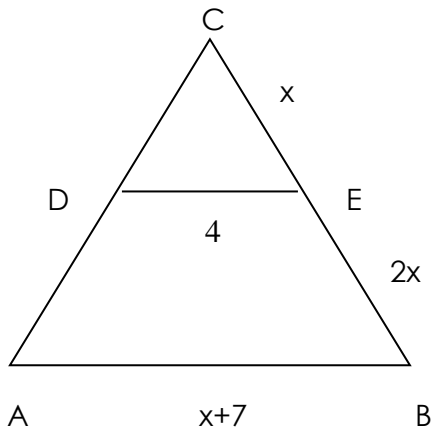


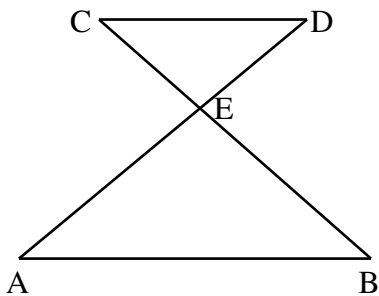
Name: _____

Points: _____

1. a) If $DE \parallel AB$, show that $\triangle ACB$ and $\triangle DCE$ are similar.
- b) Find x , CE , CB and AB .



2. In the figure AB and CD are parallel, $AB=x+5$, $AE=x+3$, $CD=x+1$ and $DE=x$.
- a) How are the triangles related?
- b) Find x , AB , AE , CD and DE .



3. In the right triangle $\triangle ABC$, $\angle C = 90^\circ$, $AC = x+7$, $BC = x$ and $AB = x+9$.
- Find x and all three sides.
 - Find the area and perimeter of the triangle.

