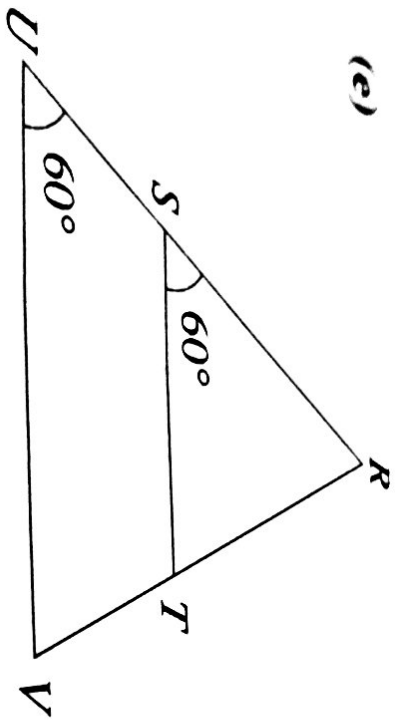
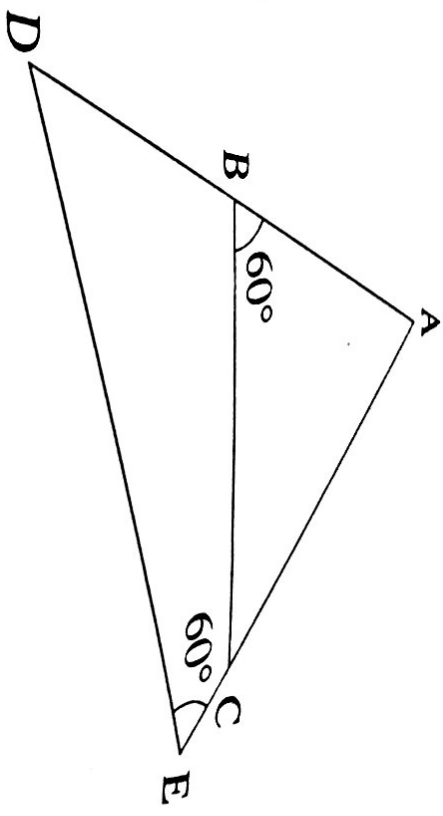


(e)



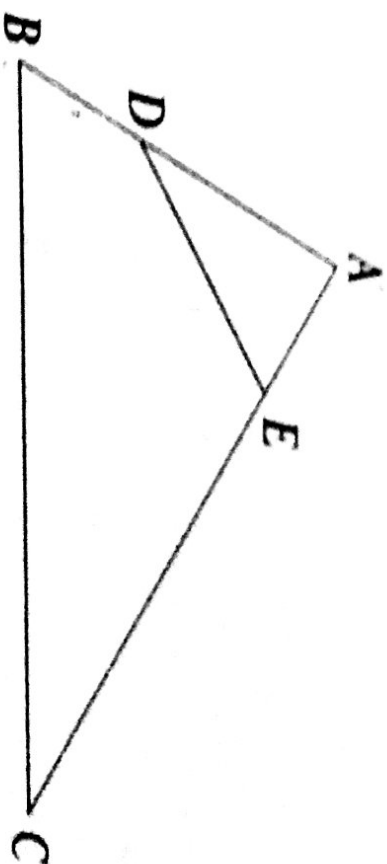
(f)



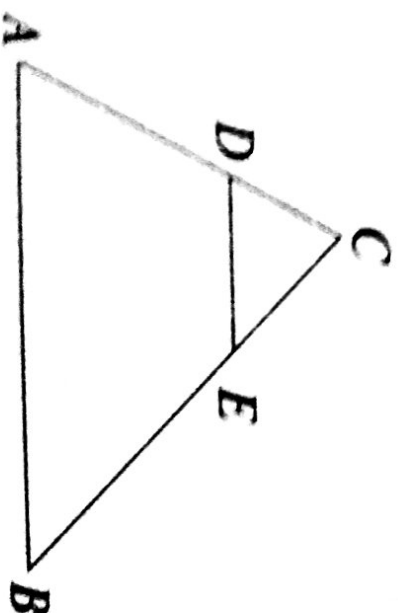
$\triangle RST$  is similar to  $\triangle$  \_\_\_\_\_.

$\triangle ABC$  is similar to  $\triangle$  \_\_\_\_\_.

3. (a) Are the two triangles ( $\triangle AED$  and  $\triangle ABC$ ) in the figure on the right similar if  $\frac{AE}{AB} = \frac{AD}{AC}$ ? If so, state why and name the pair of similar triangles in the correct order.



- (b) In the figure on the left,  $AC = 18$  units,  $BC = 24$  units,  $DC = 6$  units and  $EC = 8$  units. Are  $\triangle CDE$  and  $\triangle CAB$  similar?



4. (a) Are any two equilateral triangles similar?
- (b) If two isosceles triangles have equal vertex angles, are the triangles similar?
- (c) If two isosceles triangles have equal base angles, are the triangles similar?