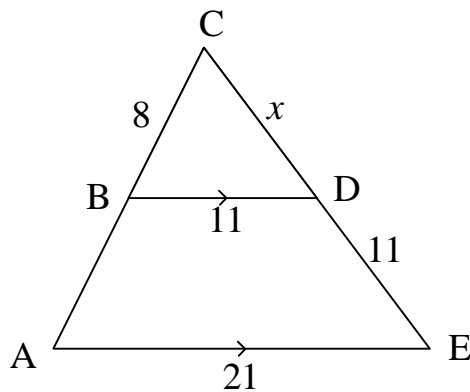


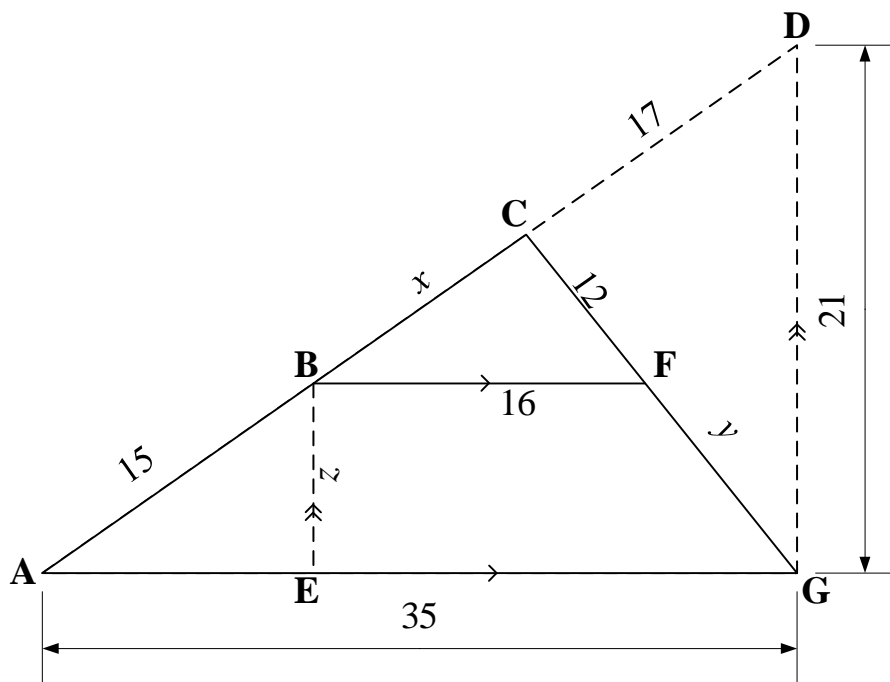
1.



ACE is similar to BCD.

- Find the value of  $x$ .
- Work out the perimeter of ABDE.
- Find the perimeter of ACE.

2. Triangles BCF and ACG are similar. Triangles ADG and ABE are also similar. Angle AGD is a right angle.



- Calculate the values of  $x$ ,  $y$  and  $z$ .
- Find the perimeter of the trapezium ABFG.
- Find the area of the trapezium ABFG.

3. Give four rules that suggest that two triangles are similar.

**DO NOT SCALE ANY OF THE DIAGRAMS ABOVE.**