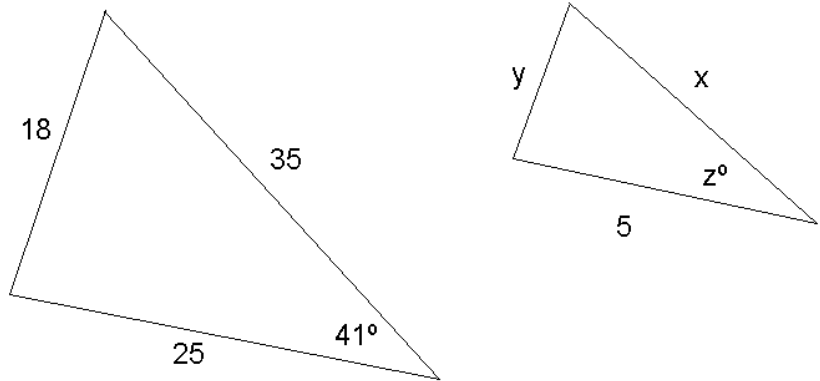


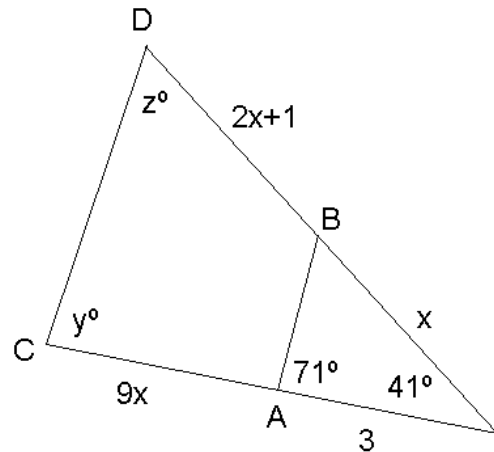
Name:

QUIZ 18 – MATH GRADE 9

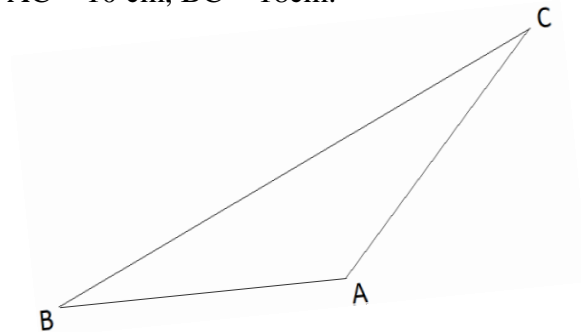
1. (15%) Given that the triangles are similar, find x , y , z :



2. (20%) Given that $AB \parallel CD$, find x , y and z .



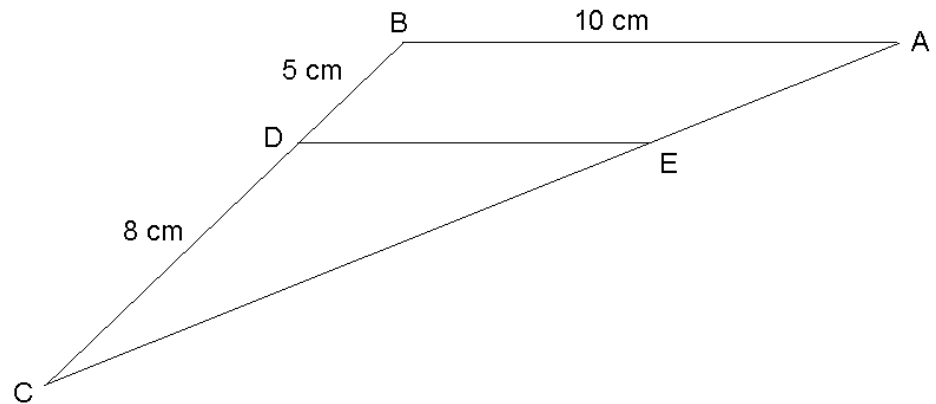
3. (10%) Given the triangle ABC . $AB = AC = 10$ cm, $BC = 18$ cm.



Sketch a similar triangle with perimeter half as big and find the length of all its sides.

4. (10%) Sketch 2 similar triangles who can be proved similar by SAS. Explain why are they similar. Include all the relevant lengths and/or angles.

5. (20%) Given the following diagram in which DC is parallel to AB. Find the length DE. If using similar triangles explain why they are similar.



6. (5%) All isosceles right triangles are similar: True /False, explain:
7. (5%) All right angled triangles are similar: True /False, explain:
8. (15%) Explain all the ways in which triangles can be proved similar, give an example in each case.