

27 Justifier que les triangles ABC et EFG sont des triangles semblables.

The diagram shows two triangles, ABC and EFG. Triangle ABC has vertices A, B, and C. Angle A is marked with a blue arc and labeled  $27^\circ$ . Angle B is marked with a pink arc and labeled  $54^\circ$ . Triangle EFG has vertices E, F, and G. Angle E is marked with a green arc and labeled  $99^\circ$ . Angle F is marked with a blue arc and labeled  $27^\circ$ .

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14 ABCD est un trapèze tel que (AB) et (CD) sont parallèles. On appelle O l'intersection de ses diagonales.

- Justifier que les triangles OAB et OCD sont semblables.

The diagram shows a trapezoid ABCD with vertices A, B, C, and D. The top base is AB and the bottom base is CD. Diagonals AC and BD intersect at point O. Triangle OAB is highlighted in red, and triangle OCD is highlighted in green.

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