

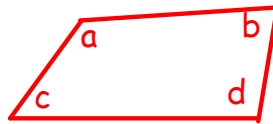
6.4 Interior and Exterior Angles of Quadrilaterals

I need 4 volunteers to come up and draw any quadrilateral (4 sided figure).

You can always break a quadrilateral up into two _____.

The sum of the interior angles of one _____ is _____°.
two _____ =

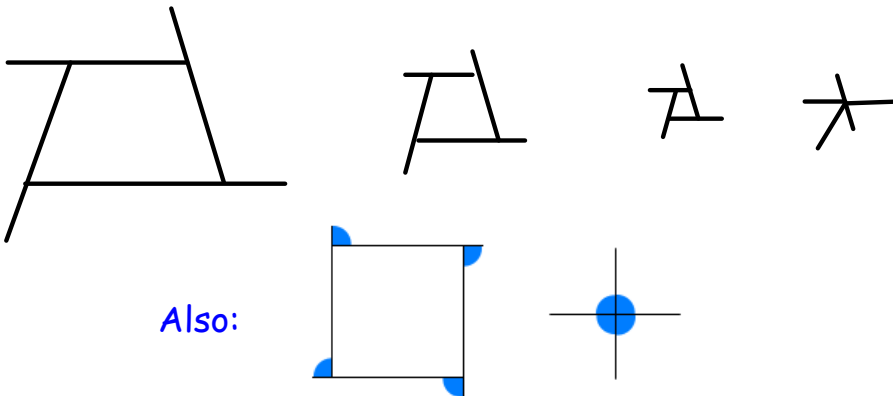
➔ The sum of the interior angles of a quadrilateral is 360° .



$$a + b + c + d = 360^\circ$$

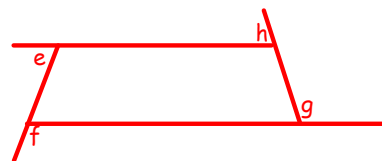
Consider the exterior angles:

Gizmo for exterior angles.



Also:

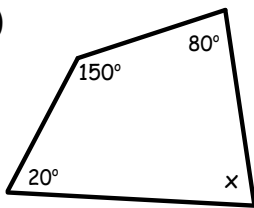
➔ The sum of the exterior angles of a quadrilateral is 360° .



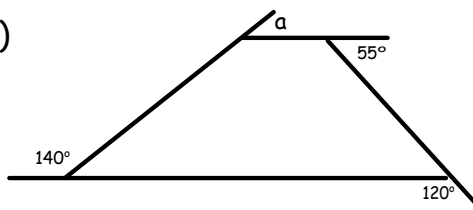
$$e + f + g + h = 360^\circ$$

Ex. 1: Solve for the variables.

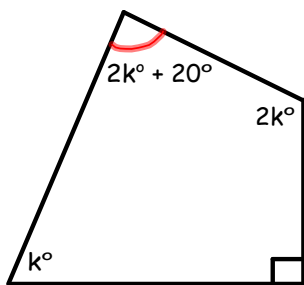
a)



b)



Ex. 2: CHALLENGE YOURSELF! Solve for unknown k .



HOMEWORK

page 97 # 2, 4a, 7

page 92 # 2, 4, 7b

