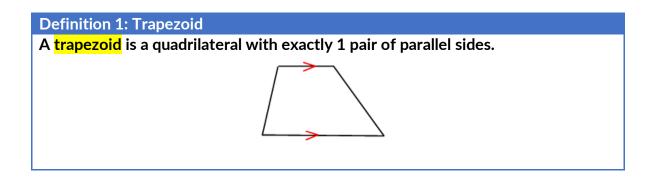
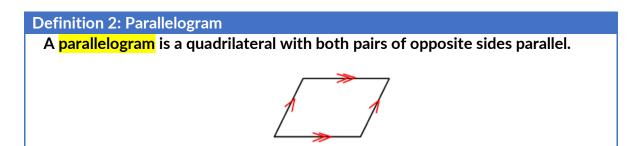
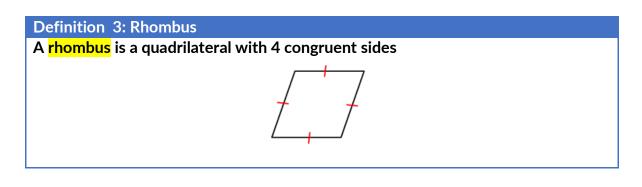
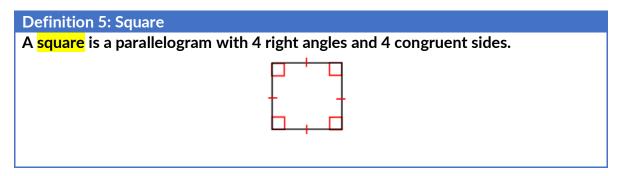
Quadrilaterals

Any polygon with four sides is a quadrilateral. However, some quadrilaterals have special properties. These *special quadrilaterals* are given their own names.



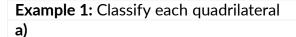


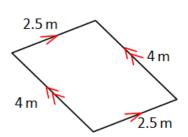




Grade 7

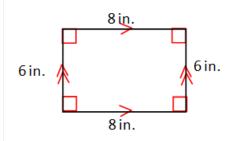
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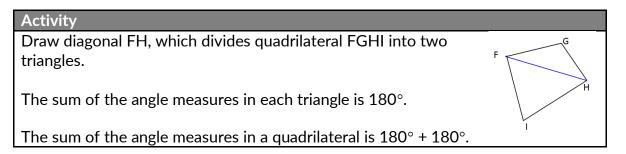


The quadrilateral is a parallelogram because both pairs of opposite sides are parallel.

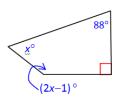




The quadrilateral is a parallelogram with 4 right angles. So, it is a rectangle.



Example 2: Find the value of *x*.



 $x^{\circ}+(2x^{\circ}-1)^{\circ}+90^{\circ}+88^{\circ}=360^{\circ}$ Sum of angle measures in a quadrilateral is 360^{\circ}.3x + 177 = 360Combine like terms.3x = 183Subtract 177 from each side.x = 61Divide each side by 3.

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