

Understanding Quadrilaterals

Topic: Quadrilaterals

Name: Date:

1. The angles of a quadrilateral are 110° , 72° , 55° and x° . Find the value of x .

2. The three angles of a quadrilateral are equal to 110° , 50° and 40° . Find its fourth angle.

3. A quadrilateral has three acute angles each measures 80° . What is the measure of the fourth angle?

4. A quadrilateral has all its four angles of the same measure. What is the measure of each?

5. Two angles of a quadrilateral are of measure 65° and the other two angles are equal. What is the measure of each of these two angles?

6. Three angles of a quadrilateral are equal. Fourth angle is of measure 150° . What is the measure of equal angles?

7. If the sum of the two angles of a quadrilateral is 180° . What is the sum of the remaining two angles?

8. The sides of a quadrilateral are produced in order. What is the sum of the four exterior angles?

9. Find the numbers of degrees in each exterior angle of a regular pentagon.

10. The measure of angles of a hexagon are x° , $(x-5)^\circ$, $(x-5)^\circ$, $(2x-5)^\circ$, $(2x-5)^\circ$, $(2x+20)^\circ$. Find value of x .

