# Understanding Quadrilaterals

## Topic: Quadrilaterals

**Kaboodle**

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)°, (x-5)°, (2x-5)°, (2x-5)°, (2x+20)°. Find value of x. _____ °