A triangle is shown below (drawn to scale).
List the sides in order from least to greatest.

List the angles in order from least to greatest.

ANGLES + SIDES OF TRIANGLES
· SHORTEST SIDE IS OPPOSITE SMALLEST ANGLE.
· LONGEST SIDE IS OPPOSITE THE LARGEST ANGLE.
TRIANGLE INEQUALITY THEOREM

• THE SUM OF THE TWO SHORTEST SIDES OF A TRIANGLE MUST BE GREATER THAN THE LONGEST SIDE.

1. \(3, 7, 9\) \(\text{YES}\) \(3 + 7 > 9\)
2. \(5, 8, 9\) \(\text{YES}\) \(5 + 8 > 9\)
3. \(15, 1, 43\) \(\text{NO}\) \(15 + 1 < 43\)
4. \(10, 3, 13\) \(\text{NO}\) \(10 + 3 = 13\)