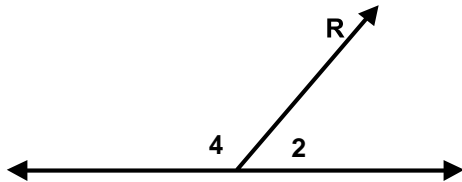
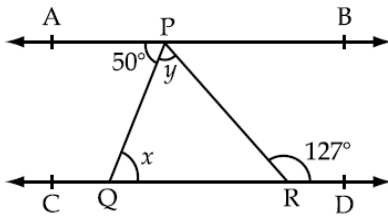




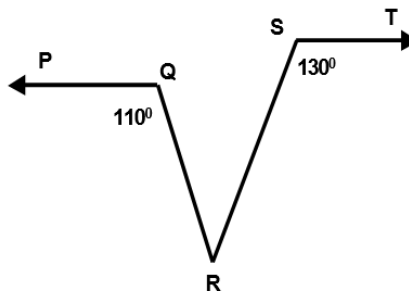
1. An angle is greater than 45° . Is its complementary angle greater than 45° or equal to 45° or less than 45° ?
2. One of the angles of a triangle is 80° and the other two angles are equal. Find the measure of each of the equal angles.
3. The three angles of a triangle are in the ratio 1:2:1. Find all the angles of the triangle.
4. In fig. POQ is a line, $\angle POR = 4x$ and $\angle QOR = 2x$ then find the value of x :



5. Find the value of x and y



6. In fig, if $PQ \parallel ST$, $\angle PQR = 110^\circ$ and $\angle RST = 130^\circ$ then the value of $\angle QRS$ is



7. In the figure below, if $\angle x = \angle y$ and $AB = AC$, then prove that $AD = AE$.

