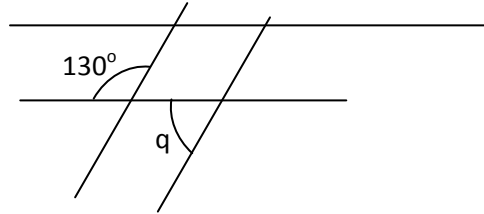


Angle Sums and Exterior Angles of Triangles - Independent Practice Worksheet

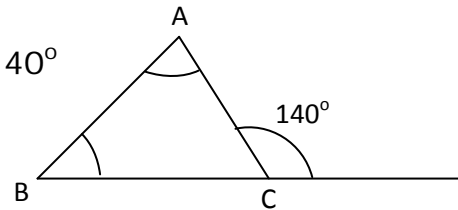
Complete all the problems.

1) Find the measure of $\angle q$ in the figure.

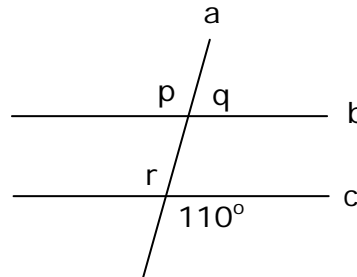


2) $\angle A$ and $\angle B$ are equal. $\angle C$ exterior angle = 140°

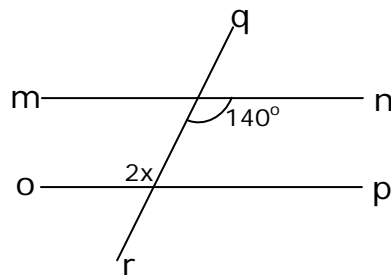
Find the measure of $\angle A$ and $\angle B$ in the figure.



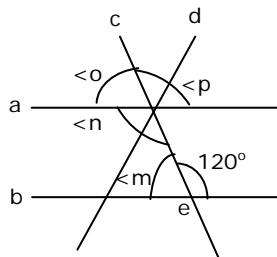
3) What are the measures of $\angle p$, $\angle q$ and $\angle r$ in the figure?



4) mn and op are two parallel lines with qr as the transversal. Find the value of x .



5) a and b are parallel lines. Find the value of $\angle m$, $\angle n$, $\angle o$, and $\angle p$.

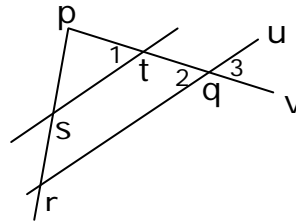


Name _____

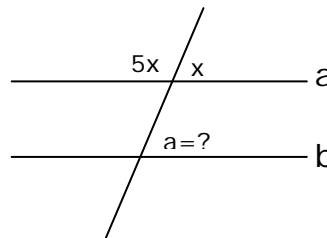
Date _____

6) ST is parallel to RU in the figure.

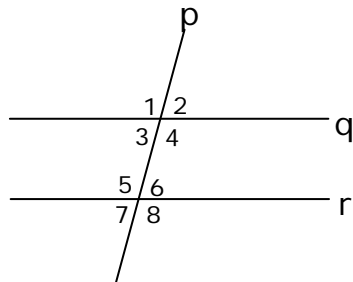
What is $m\angle 3$ if $m\angle 1 = 49^\circ$?



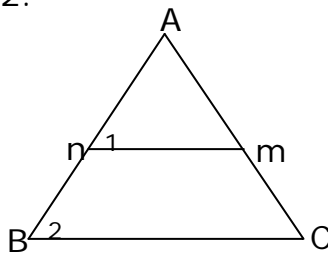
7) The lines a and b are parallel. Find a.



8) Find the measure of $\angle 4$, if $m\angle 7 = 72^\circ$



9) The line nm is drawn parallel to the base BC in the triangle ABC. If the $m\angle 1 = 51^\circ$, find the $m\angle 2$.



10) op and qr are two parallel lines and $\angle x = 90^\circ$. Find the measures of $\angle 2$, $\angle 4$, and $\angle 6$.

