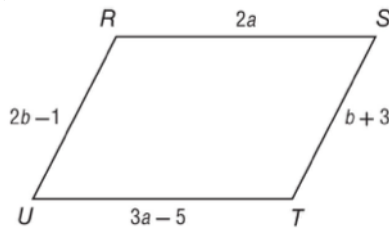


6.2 Assignment

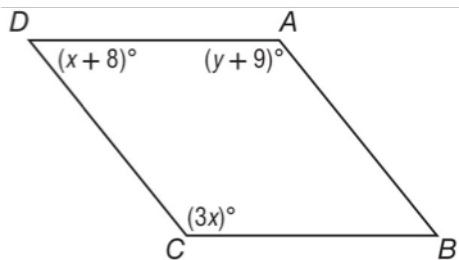
1. The opposite angles of a parallelogram are supplementary. True or False?

2. If a parallelogram has one right angle, all the angles are right angles. True or False?

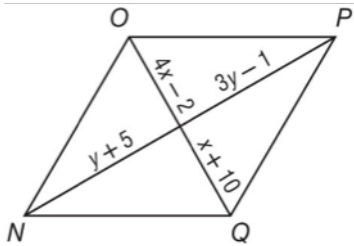
3. Find the values of a and b .



4. Find the values of x and y .

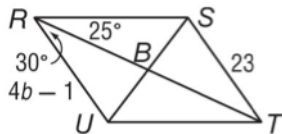


5. Find the values of x and y .



6. Find the coordinates of intersection of the diagonals in parallelogram HJKL with $H(2,5)$, $J(3,3)$, $K(-2,-3)$, $L(-3,-1)$.

7. In parallelogram RSTU, find $m\angle RST$, $m\angle STU$, $m\angle RTU$, and b .



8. Bob the Builder used the parallelogram below to design a herringbone pattern for a paving stone. He will use the paving stone for a sidewalk. If $m\angle 1$ is 130 degrees, find $m\angle 2$, $m\angle 3$, and $m\angle 4$.

