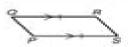
# LESSON Reteach

# Conditions for Parallelograms

You can use the following conditions to determine whether a quadrilateral such as PQRS is a parallelogram.



#### Conditions for Parallelograms



$$QR = SP$$
  
 $PQ = RS$ 

If one pair of opposite sides is | and =, then PQRS is a parallelogram. If both pairs of opposite sides are ≥. then PQRS is a parallelogram.



$$\angle P \cong \angle R$$
  
 $\angle Q \cong \angle S$ 



$$PT = RT$$
 $QT = ST$ 

If both pairs of opposite angles are ==. then PQRS is a parallelogram.

If the diagonals bisect each other, then PQRS is a parallelogram.

A quadrilateral is also a parallelogram if one of the angles is supplementary to both of its consecutive angles.

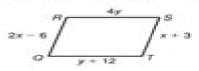
65° + 115° = 180°, so ∠A is supplementary to ∠B and ∠D.

Therefore, ABCD is a parallelogram.



#### Show that each quadrilateral is a parallelogram for the given values. Explain.

1. Given: x = 9 and y = 4



Given: w = 3 and z = 31



# **Practice B 6 3 Conditions For Parallelograms Answer Key**

**SA Adler** 

#### **Practice B 6 3 Conditions For Parallelograms Answer Key:**

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web the motor control module mcm monitors the rail pressure and when rail pressure deviation is greater than 200 bar for eight seconds the mcm sets the code this fault can occur due to the conditions listed below external fuel leakage between the high pressure pump and fuel injectors pressure limiting valve leakage internal

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