

# 6-3

## Standardized Test Prep

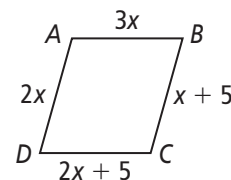
### Proving That a Quadrilateral Is a Parallelogram

#### Multiple Choice

For Exercises 1–4, choose the correct letter.

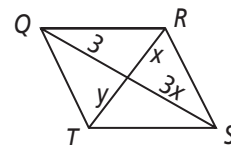
1. For what value of  $x$  must  $ABCD$  be a parallelogram?

- Ⓐ 5                      Ⓒ 15  
 Ⓑ 10                     Ⓓ 20



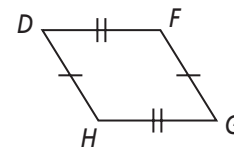
2. For what value of  $y$  must  $QRST$  be a parallelogram?

- Ⓕ 0.5                    Ⓗ 2  
 Ⓖ 1                      Ⓘ 3



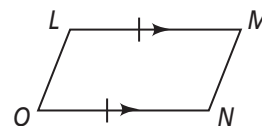
3. Which reason can be used to conclude that  $DFGH$  is a parallelogram?

- Ⓐ There are two pairs of congruent opposite angles.  
 Ⓑ The diagonals bisect each other.  
 Ⓒ There are two pairs of congruent opposite sides.  
 Ⓓ There are two pairs of opposite parallel sides.



4. Which reason can be used to conclude that  $LMNO$  is a parallelogram?

- Ⓕ There are two pairs of congruent opposite angles.  
 Ⓖ There are two pairs of congruent opposite sides.  
 Ⓗ There are two pairs of opposite parallel sides.  
 Ⓘ There is one pair of congruent and parallel sides.



#### Short Response

5. What additional pieces of information could be supplied to make  $ABCD$  a parallelogram?

