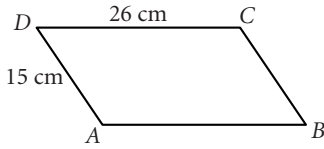


Lesson 5.5 • Properties of Parallelograms

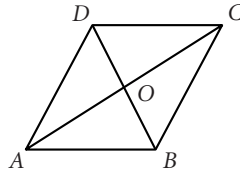
Name _____ Period _____ Date _____

In Exercises 1–7, $ABCD$ is a parallelogram.

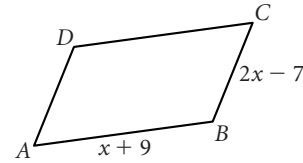
1. Perimeter $ABCD =$ _____



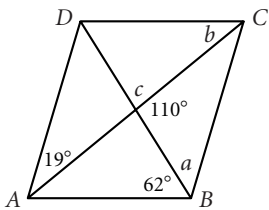
2. $AO = 11$, and $BO = 7$.
 $AC =$ _____, $BD =$ _____



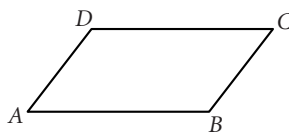
3. Perimeter $ABCD = 46$.
 $AB =$ _____, $BC =$ _____



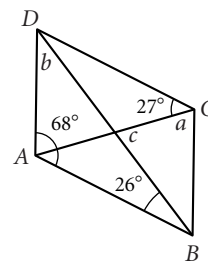
4. $a =$ _____, $b =$ _____,
 $c =$ _____



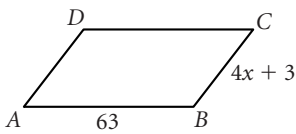
5. Perimeter $ABCD = 119$, and
 $BC = 24$. $AB =$ _____



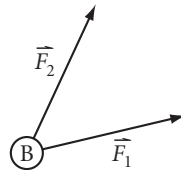
6. $a =$ _____, $b =$ _____,
 $c =$ _____



7. Perimeter $ABCD = 16x - 12$. $AD =$ _____

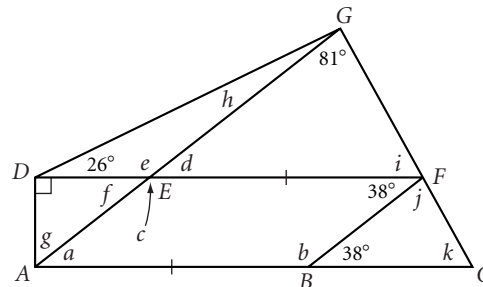


8. Ball B is struck at the same instant by two forces, F_1 and F_2 . Show the resultant force on the ball.



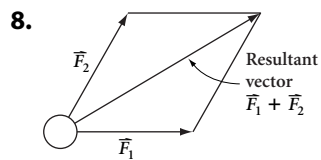
9. Find each lettered angle measure.

- $a =$ _____ $g =$ _____
- $b =$ _____ $h =$ _____
- $c =$ _____ $i =$ _____
- $d =$ _____ $j =$ _____
- $e =$ _____ $k =$ _____
- $f =$ _____



LESSON 5.5 • Properties of Parallelograms

1. Perimeter $ABCD = 82$ cm
2. $AC = 22, BD = 14$
3. $AB = 16, BC = 7$
4. $a = 51^\circ, b = 48^\circ, c = 70^\circ$
5. $AB = 35.5$
6. $a = 41^\circ, b = 86^\circ, c = 53^\circ$
7. $AD = 75$



9. $a = 38^\circ, b = 142^\circ, c = 142^\circ, d = 38^\circ, e = 142^\circ,$
 $f = 38^\circ, g = 52^\circ, h = 12^\circ, i = 61^\circ, j = 81^\circ, k = 61^\circ$

10. No

