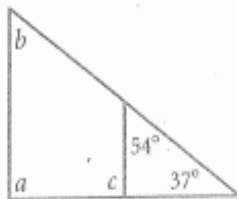


Section 5.4-5.5 worksheet

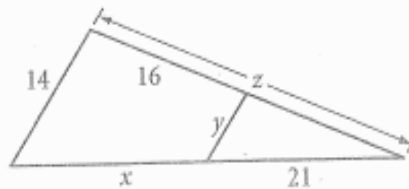
Name: _____

In Exercises 1–3, each figure shows a midsegment.

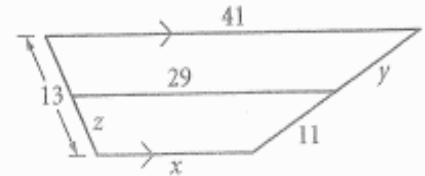
1. $a = \underline{\hspace{1cm}}$, $b = \underline{\hspace{1cm}}$,
 $c = \underline{\hspace{1cm}}$



2. $x = \underline{\hspace{1cm}}$, $y = \underline{\hspace{1cm}}$,
 $z = \underline{\hspace{1cm}}$



3. $x = \underline{\hspace{1cm}}$, $y = \underline{\hspace{1cm}}$,
 $z = \underline{\hspace{1cm}}$

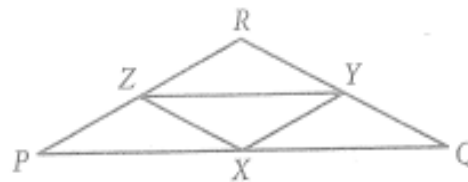


4. X , Y , and Z are midpoints. Perimeter $\triangle PQR = 132$, $RQ = 55$, and $PZ = 20$.

Perimeter $\triangle XYZ = \underline{\hspace{1cm}}$

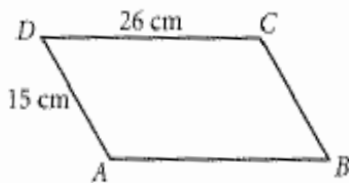
$PQ = \underline{\hspace{1cm}}$

$ZX = \underline{\hspace{1cm}}$



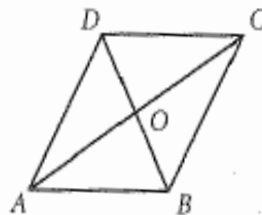
In Exercises 1–7, $ABCD$ is a parallelogram.

1. Perimeter $ABCD = \underline{\hspace{1cm}}$



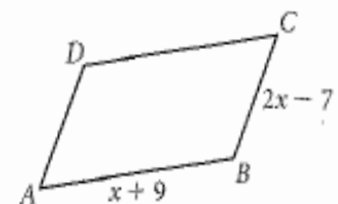
2. $AO = 11$, and $BO = 7$.

$AC = \underline{\hspace{1cm}}$, $BD = \underline{\hspace{1cm}}$

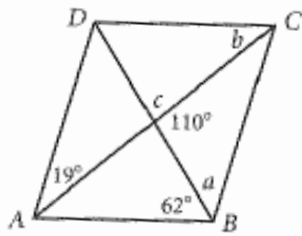


3. Perimeter $ABCD = 46$.

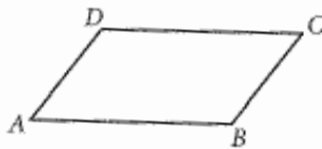
$AB = \underline{\hspace{1cm}}$, $BC = \underline{\hspace{1cm}}$



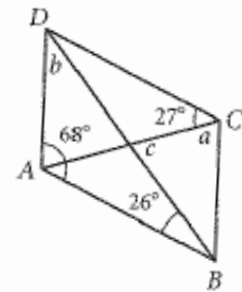
4. $a = \underline{\hspace{2cm}}$, $b = \underline{\hspace{2cm}}$,
 $c = \underline{\hspace{2cm}}$



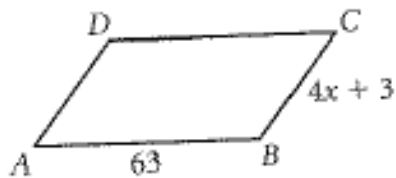
5. Perimeter $ABCD = 119$, and
 $BC = 24$. $AB = \underline{\hspace{2cm}}$



6. $a = \underline{\hspace{2cm}}$, $b = \underline{\hspace{2cm}}$,
 $c = \underline{\hspace{2cm}}$



7. Perimeter $ABCD = 16x - 12$. $AD = \underline{\hspace{2cm}}$



8. Ball B is struck at the same instant by two forces, \vec{F}_1 and \vec{F}_2 . Show the resultant force on the ball.

