

Chapter 6 Review

Write the letter for the correct answer in the blank at the right of each question.

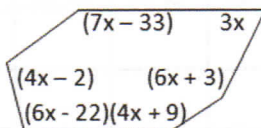
1. Find the sum of the measures of the interior angles of a convex 23-gon.

A 4140 B 3780 C 360 D 164.3

1. _____

2. Find the value of x .

F 25.5 H 13.5
G 30 J 45



2. _____

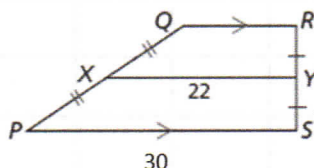
3. Find the sum of the measures of the exterior angles of a convex 95-gon.

A 5.54 B 90 C 180 D 360

3. _____

4. Find QR.

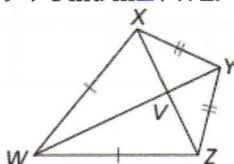
F 52
G 6
H 14
J 26



4. _____

5. In kite WXYZ, $m\angle WXY = 104^\circ$ and $m\angle VYZ = 49^\circ$. Find $m\angle VWZ$.

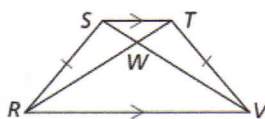
A 27°
B 41°
C 63°
D 54°



5. _____

6. $RW = 17.7$ and $SV = 23.3$. Find TW.

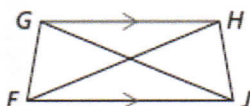
F 41
G 5.6
H 16.4
J 20.5



6. _____

7. $GJ = 4x - 1$ and $FH = 9x - 15$. Find the value of x so that FGHI is isosceles.

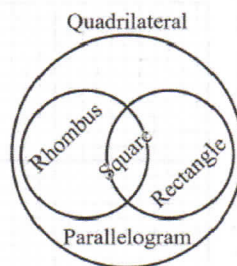
A 5.6
B 18.9
C 2.8
D 9.5



7. _____

8. Using the Venn diagram, which statement below is correct?

F A rectangle is a square.
G A parallelogram has all the properties of a rhombus.
H A quadrilateral is a rectangle.
J A square is a rhombus.



8. _____

9. Three vertices of a parallelogram are $A(-5, 0)$, $B(-2, -5)$, and $C(4, -3)$. Find the coordinates of point D that would form Parallelogram ABCD. Put your answer in the blank to the right.

9. _____

10. Three vertices of an isosceles trapezoid are $W(-8, -7)$, $X(-7, -2)$, and $Y(-4, 1)$. Find the coordinates of point Z that would form Isosceles Trapezoid WXYZ. Put your answer in the blank to the right.

10. _____