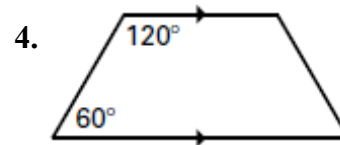
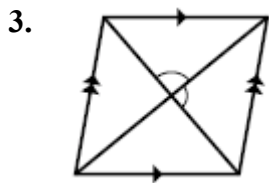
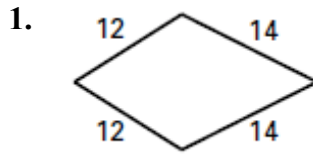


Quadrilaterals Test Review

Give the most specific name for the quadrilateral. Explain your reasoning.



Find the sum of the measures of the interior angles of the indicated convex polygon.

5. Dodecagon

6. 24-gon

7. 32-gon

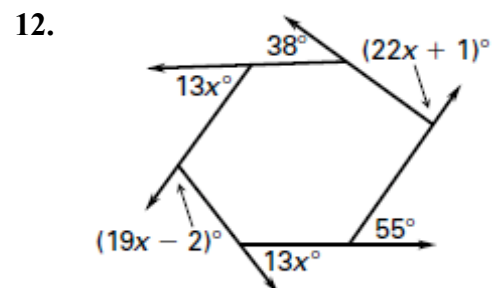
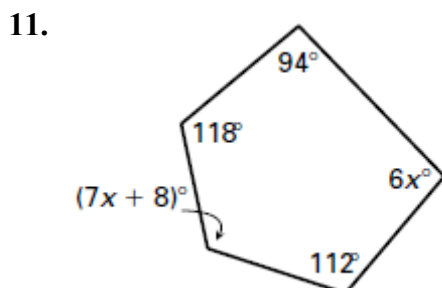
8. 36-gon

Find the value of n for each regular n -gon described.

9. Each interior angle of the regular n -gon has a measure of 162° .

10. Each exterior angle of the regular n -gon has a measure of 5° .

Find the value of x . Show all of your work.



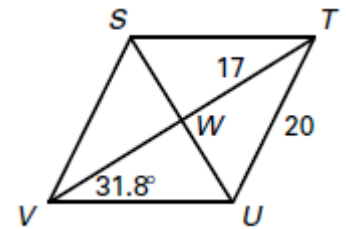
13. The measure of one interior angle of a parallelogram is 42 degrees more than twice the measure of another angle. Find the measure of each angle.

14. The measure of one interior angle of a parallelogram is 30 degrees less than 9 times the measure of another angle. Find the measure of each angle.

The diagonals of rhombus $STUV$ intersect at W . Given that $m \angle UVT = 31.8^\circ$, $TU = 20$, and $TW = 17$, find the indicated measure.

15. $m \angle UVS$

16. $m \angle TWU$



17. $m \angle TUV$

18. UW

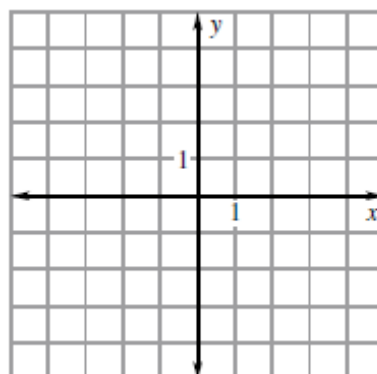
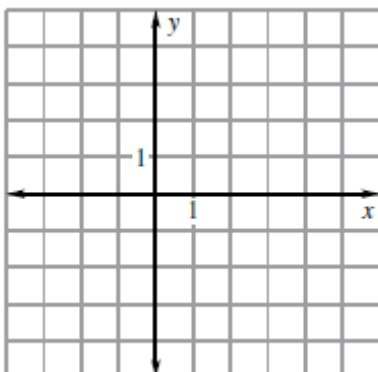
19. SU

20. VT

Use the given vertices to graph Parallelogram $DEFG$. Classify Parallelogram $DEFG$. Explain your reasoning.

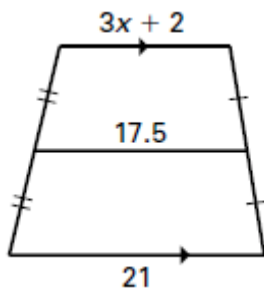
21. $D(0, 2)$, $E(5, 2)$,
 $F(2, -2)$, $G(-3, -2)$

22. $D(-1, 4)$, $E(2, 4)$,
 $F(2, -3)$, $G(-1, -3)$

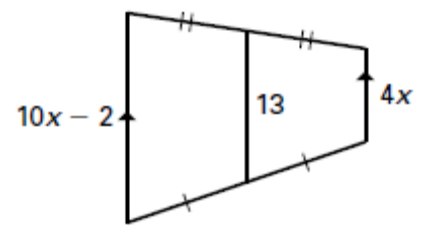


Find the value of x .

23.

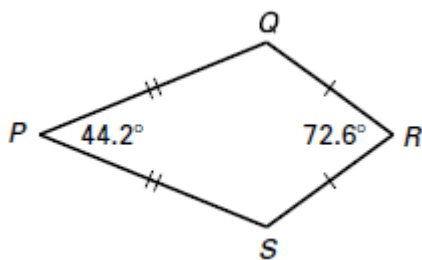


24.

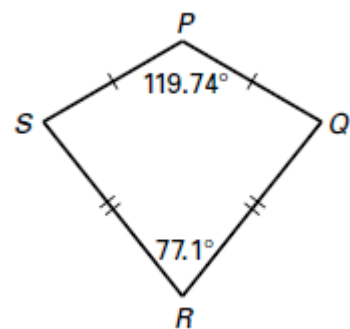


$PQRS$ is a kite. Find $m\angle Q$.

25.



26.



Points D , E , F , and G are the vertices of a quadrilateral. Give the most specific name for $DEFG$. Explain your reasoning. You may use graph paper to graph the coordinates if you prefer.

27. $D(3, 2)$, $E(4, -1)$, $F(3, -4)$, $G(-3, -1)$

28. $D(0, 9)$, $E(9, 0)$, $F(0, -9)$, $G(-9, 0)$

29. $D(-5, 1)$, $E(2, 2)$, $F(4, -5)$, $G(-5, -5)$

30. $D(-2, 5)$, $E(3, 6)$, $F(7, 2)$, $G(-3, 0)$