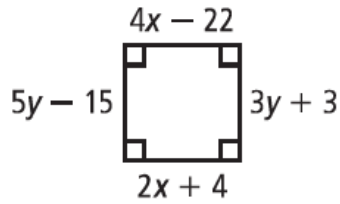


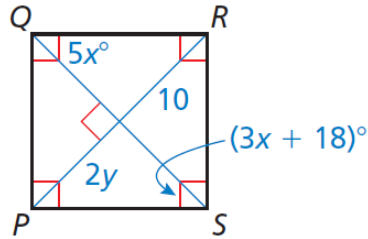
6.REV.2 – LESSONS 6.2 - 6.5

Use the properties of squares to set up and solve equations to find the value of the variable(s).

1.



2.

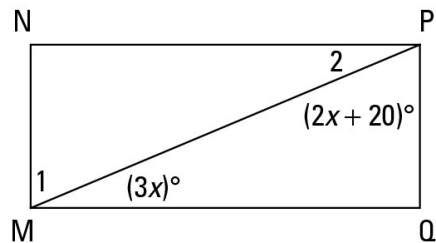


3. Find the perimeter and area of the square in Problem 1.

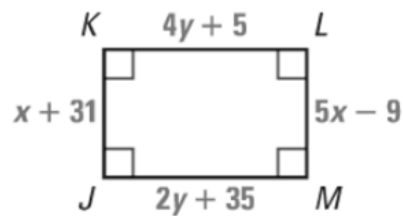
4. In $PQRS$, $QR = 8z - 14$ & $PQ = z^2 + 1$. Find the perimeter of $PQRS$.

Use the properties of rectangles to set up and solve equations to find the value of the variable(s).

5.



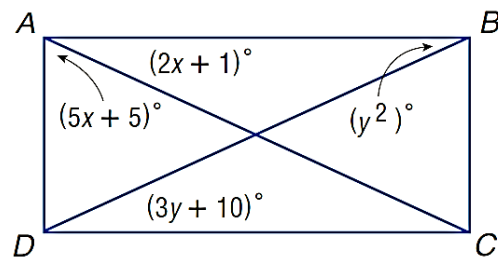
6.



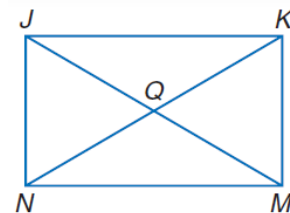
7. Find $m\angle 1$ & $m\angle 2$ in $MNPQ$ (in problem 5).

8. Find the perimeter & the area of $JKLM$ (in problem 6).

9.

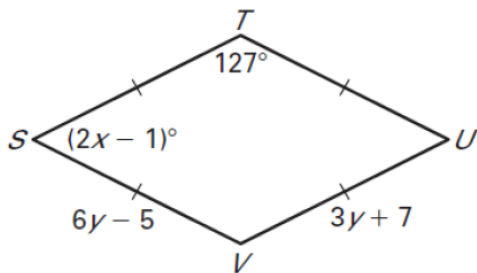


10. If $m\angle NKM = x^2 + 4$ & $m\angle KNM = x + 30$, find $m\angle JKN$.

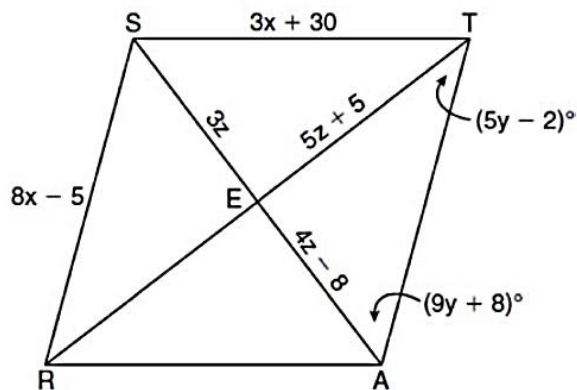


Use the properties of rhombuses to set up and solve equations to find the value of the variable(s).

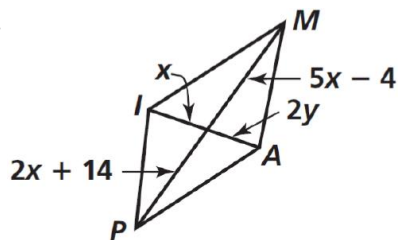
11.



12.

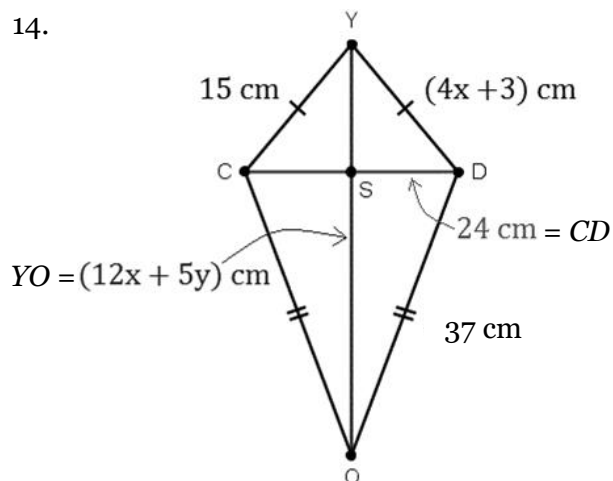


13.



Use the properties of kites to set up and solve equations to find the value of the variable(s).

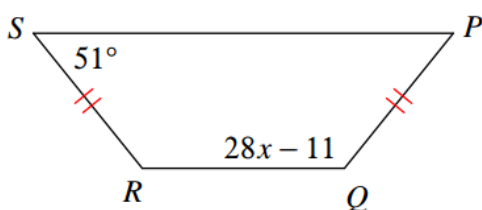
14.



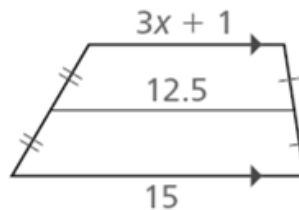
- Set up and solve an equation to find the value of x .
- Use the Pythagorean Theorem to find YS & OS .
- Set up and solve an equation to find the value of y .
- Find the perimeter of $CODY$.
- Find the area of $CODY$.

Use the properties of trapezoids & isosceles trapezoids to set up and solve equations to find the value of the variable(s).

15.



16.



17. Set up and solve a system of equations to find the value of x and y . Then find RA and TA .

