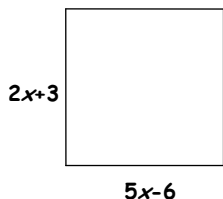


Rectangle and Square Properties

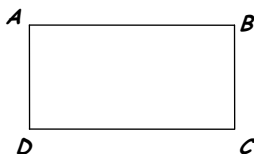
~ 1 ~

1. Solve for x in the square.

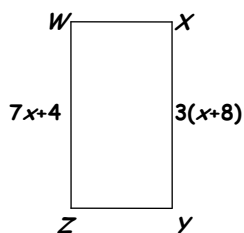


2. **Given:** Parallelogram $ABCD$, $\angle A$ is right.

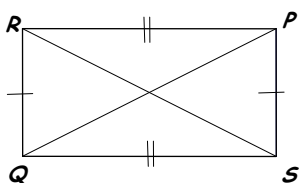
Prove: $ABCD$ is a rectangle



3. $WXYZ$ is a rectangle. Solve for x .



4. In the picture, $\overline{PQ} \cong$ _____.



5. Each figure given is a parallelogram, identify the square.

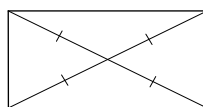
A.



B.



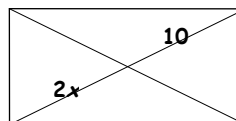
C.



D.



6. $PQRS$ is a rectangle, solve for x .



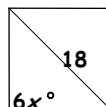
A. 2

B. 5

C. 10

D. 20

7. $ABCD$ is a square. Solve for x .

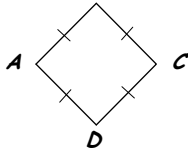


8. Name one property of a square that a rectangle will not always have.

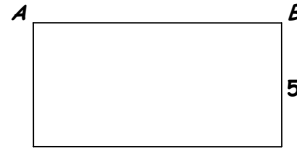
Rectangle and Square Properties

~ 2 ~

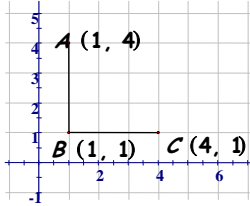
9. What additional information is needed to prove $ABCD$ is a square?



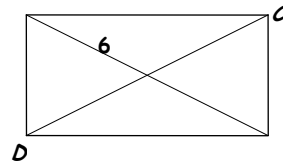
14. Find the length of \overline{AB} , given the perimeter of the rectangle is 26.



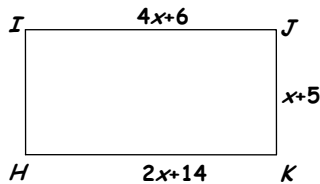
10. If $ABCD$ is a square, what is the coordinate of missing vertex D ?



15. In the rectangle, what is the length of \overline{DC} ?



11. $HIJK$ is rectangle. What is the length of \overline{JK} ?



12. What is the name of a regular quadrilateral?

13. What is another name for an equiangular quadrilateral?