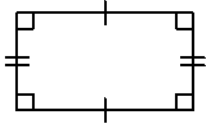


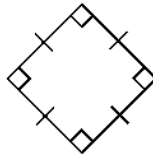
## 5-4 Corrective Assignment

Decide whether the parallelogram is a *rhombus*, a *rectangle*, or a *square*. Explain.

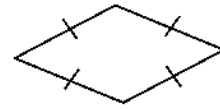
1.



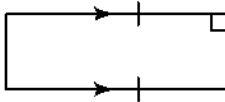
2.



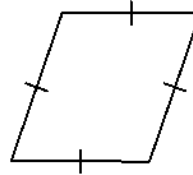
3.



4.

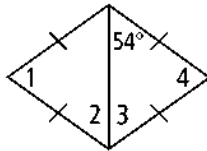


5.

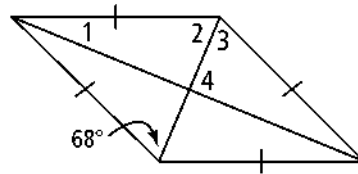


Find the measures of the numbered angles in each rhombus.

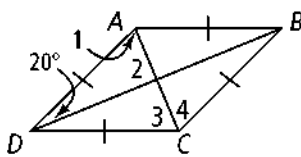
6.



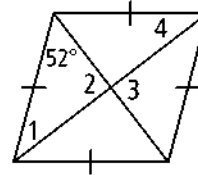
7.



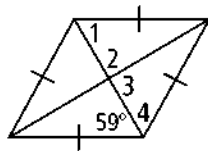
8.



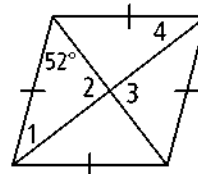
9.



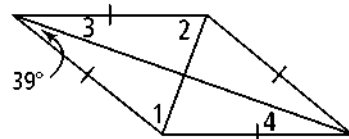
10.



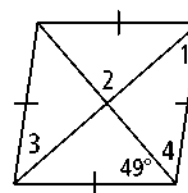
11.



12.



13.



**Algebra** *HJK* is a rectangle. Find the value of  $x$  and the length of each diagonal.

14.  $HJ = x$  and  $IK = 2x - 7$

15.  $HJ = 3x + 5$  and  $IK = 5x - 9$

16.  $HJ = 3x + 7$  and  $IK = 6x - 11$

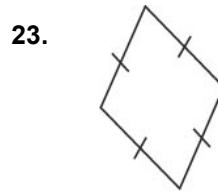
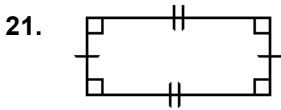
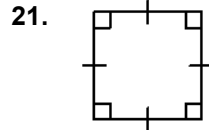
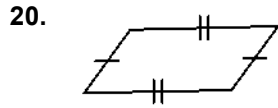
17.  $HJ = 19 + 2x$  and  $IK = 3x + 22$

**Algebra**  $HIJK$  is a rectangle. Find the value of  $x$  and the length of each diagonal.

18.  $HJ = 4x$  and  $IK = 7x - 12$

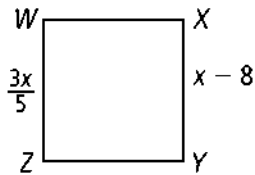
19.  $HJ = x + 40$  and  $IK = 5x$

**Determine the most precise name for each quadrilateral.**

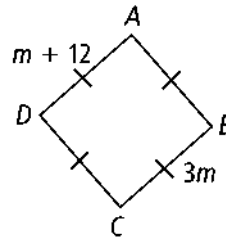


**Algebra** Find the values of the variables. Then find the side lengths.

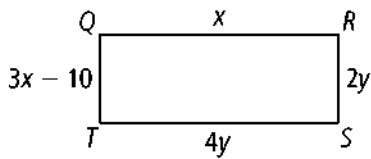
24. square  $WXYZ$



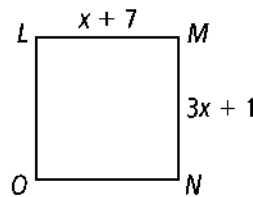
25. rhombus  $ABCD$



26. rectangle  $QRST$



27. square  $LMNO$



1. Rectangle  
Square

2. Rhombus

3. Rectangle

4. Rhombus

5.  $m < 1$  and  $m < 4 = 72$

$m < 2$  and  $m < 3 = 54$

6.  $m < 2$  and  $m < 3 = 68$ ,  $m < 4 = 90$

$m < 1 = 22$

7.  $m < 2$  and  $m < 3 = 68$ ,  $m < 1 = 22$  &  $m < 4 = 90$

8.  $m < 3$   $m < 1$ ,  $m < 4 = 70$ ;  $m < 2 = 90$ ,

24.  $x = 20$ ; all sides = 12

25.  $M = 6$  all sides = 18

26.  $X = 4$ ;  $y = 1$  ( $s = 2, 4$ )

27.  $X = 3$  ( $s = 10$ )

9.  $m < 1$  and  $m < 4 = 38$

$m < 2$  and  $m < 3 = 90$

10.  $m < 2$  and  $m < 3 = 90$

$m < 1$  and  $m < 4 = 59$

11.  $m < 2$  and  $m < 3 = 90$

$m < 1$  and  $m < 4 = 38$

12.  $m < 3$  and  $m < 4 = 39$

$m < 1$  and  $m < 2 = 51$

13.  $m < 1$  and  $m < 3 = 41$

$m < 2 = 90$  and  $m < 4 = 49$

14.  $x = 7$ , Diag = 7

15.  $x = 7$ , Diag = 26

16.  $x = 6$ , Diag = 25

17.  $x = -3$ , Diag = 13

18.  $x = 4$ , Diag = 16

19.  $x = 10$ , Diag = 50

20. Parallelogram

21. Square

22. Rect 23. Rhombus