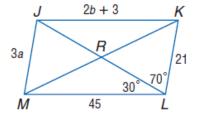
Use  $\square JKLM$  to find each measure or value.



**7.** *m*∠*JML* 

**9.** *m*∠*K*]*L* 

**11.** *b* 



**12. STANDARDIZED TEST PRACTICE** Parallelogram GHJK has vertices G(-3, 4), H(1, 1), and J(3, -5). Which are possible coordinates for vertex K?

**A** 
$$(-1,1)$$

$$B(-2,0)$$

$$C(-1, -2)$$

D 
$$(-2, -1)$$

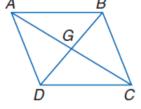
Complete each statement about  $\square ABCD$ . Justify your answer.

15. 
$$\angle DAB \cong ?$$
.

**17.** 
$$\overline{AB} \parallel \underline{\ \ }$$
 .

**18.** 
$$\overline{BG} \cong ?$$
.

**19.** 
$$\triangle ABD \cong$$
 ? .



**ALGEBRA** Use  $\square MNPR$  to find each measure or value. Round to the nearest tenth if necessary.



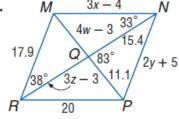
**22.** *m*∠*NRP* 

**24.** *m*∠*RMN* 

**26.** *m*∠*M*Q*R* 

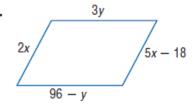
**28.** 1/

**30.** z

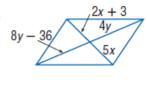


53. JOBS Jamie works at a gift shop after school. She is paid \$10 per hour plus a 15% commission on merchandise that she sells. Write an equation that represents her earnings in a week if she sold \$550 worth of merchandise. **ALGEBRA** Find x and y so that each quadrilateral is a parallelogram.

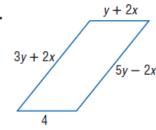
20.



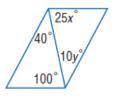
21.



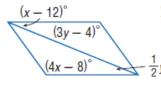
22.



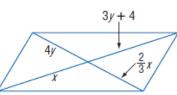
23.



24.



25.



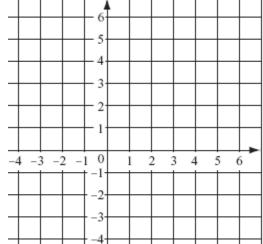
**COORDINATE GEOMETRY** Determine whether a figure with the given vertices is a parallelogram. Use the method indicated.

**26.** 
$$B(-6, -3)$$
,  $C(2, -3)$ ,  $E(4, 4)$ ,  $G(-4, 4)$ ; Midpoint Formula

**27.** 
$$H(5, 6)$$
,  $J(9, 0)$ ,  $K(8, -5)$ ,  $L(3, -2)$ ; Distance Formula

**COORDINATE GEOMETRY** The coordinates of three of the vertices of a parallelogram are given. Find the possible coordinates for the fourth vertex.

**32.** A(1, 4), B(7, 5), and C(4, -1)



**40. REVIEW** Jarod's average driving speed for a 5-hour trip was 58 miles per hour. During the first 3 hours, he drove 50 miles per hour. What was his average speed in miles per hour for the last 2 hours of his trip?

**F** 70

**H** 60

**G** 66

I 54