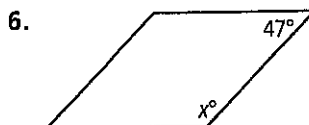
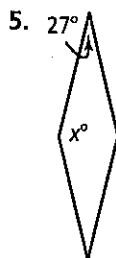
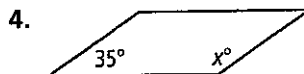
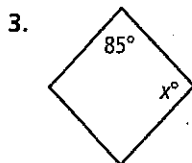
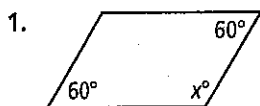


# 5.2 Practice

Form G

## Properties of Parallelograms

Find the value of  $x$  in each parallelogram.



**Algebra** Find the values for  $x$  and  $y$  in  $\square ABCD$ .

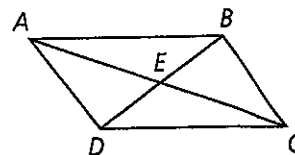
8.  $AE = 3x$ ,  $EC = y$ ,  $DE = 4x$ ,  $EB = y + 1$

9.  $AE = x + 5$ ,  $EC = y$ ,  $DE = 2x + 3$ ,  $EB = y + 2$

10.  $AE = 3x$ ,  $EC = 2y - 2$ ,  $DE = 5x$ ,  $EB = 2y + 2$

11.  $AE = 2x$ ,  $EC = y + 4$ ,  $DE = x$ ,  $EB = 2y - 1$

12.  $AE = 4x$ ,  $EC = 5y - 2$ ,  $DE = 2x$ ,  $EB = y + 14$



Answers Scrambled ☺

4	1	95	153	120	9	10	3
145	3	2	12	2	133	4	65

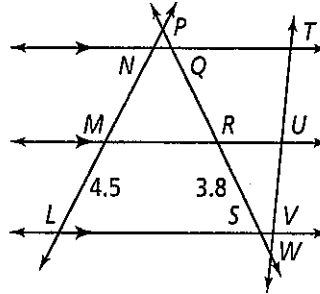
In the figure,  $TU = UV$ . Find each length.

13.  $NM$

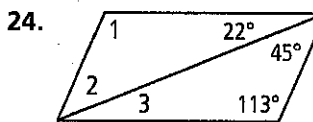
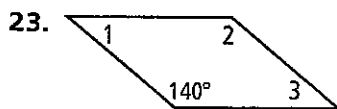
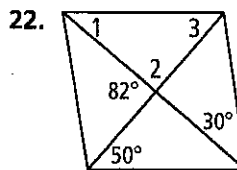
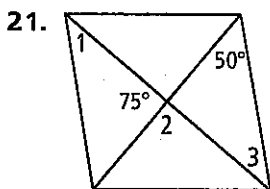
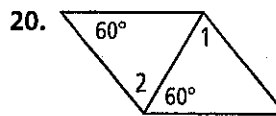
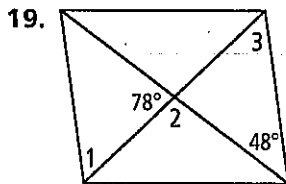
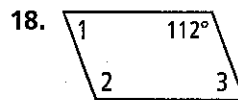
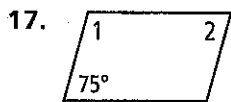
14.  $QR$

15.  $LN$

16.  $QS$



Find the measures of the numbered angles for each parallelogram.



Answers Scrambled ☺

45	140	98	54	4.5	55	7.6	32	60
40	102	3.8	75	113	105	60	112	22
9	50	68	54	55	68	105	40	☺