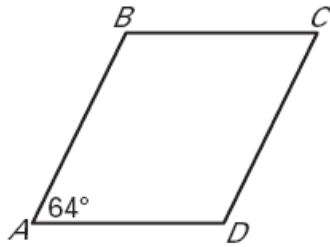
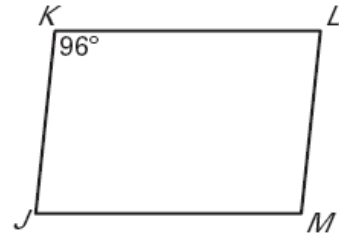


Find the measure of the indicated angle in the parallelogram.

1. Find $m\angle B$.

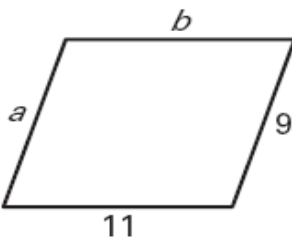


2. Find $m\angle M$.

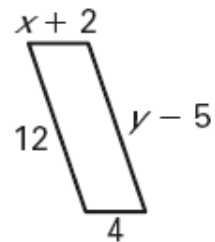


Find the value of each variable in the parallelogram.

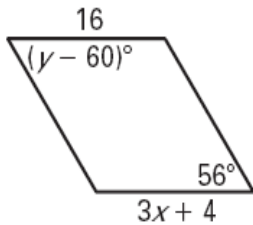
3.



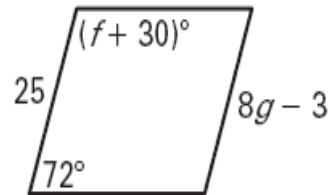
4.



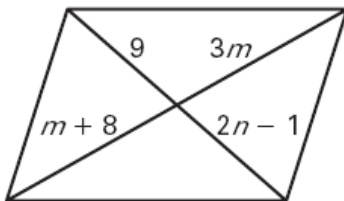
5.



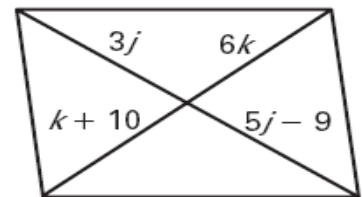
6.



7.

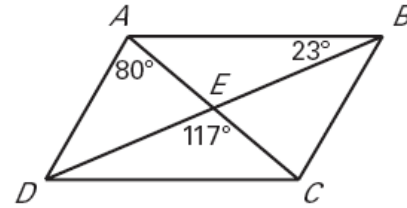


8.



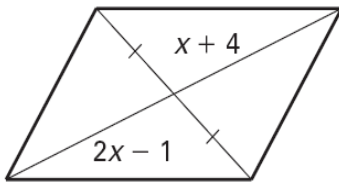
Find the indicated measure in $\square ABCD$.

9. $m\angle AEB$
10. $m\angle BAE$
11. $m\angle AED$
12. $m\angle ECB$
13. $m\angle BAD$
14. $m\angle DCE$
15. $m\angle ADC$
16. $m\angle DCB$

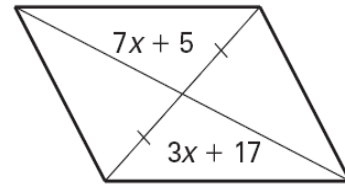


For what value of x is the quadrilateral a parallelogram?

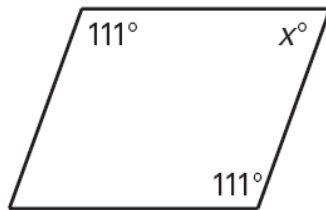
17.



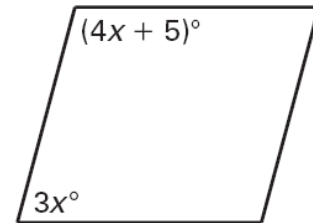
18.



19.



20.



21. In $\square WXYZ$, $m\angle W$ is 50 degrees more than $m\angle X$. Sketch $\square WXYZ$ and find the measure of each interior angle.

22. In parallelogram $RSTU$, the ratio of RS to ST is 5 : 3. Find RS if the perimeter of $\square RSTU$ is 64 inches.

Answer Key: 1) 116° 2) 96° 3) $a = 9, b = 11$ 4) $x = 2, y = 17$ 5) $x = 4, y = 116$
 6) $f = 78, g = 3.5$ 7) $n = 5, m = 4$ 8) $j = 4.5, k = 2$ 9) 117° 10) 40° 11) 63°
 12) 80° 13) 120° 14) 40° 15) 60° 16) 120° 17) $x = 5$ 18) $x = 3$ 19) 69°
 20) $x = 25$ 21) $x = 65$; Angles: $65^\circ, 65^\circ, 115^\circ, 115^\circ$ 22) $x = 4, RS = 20$ inches