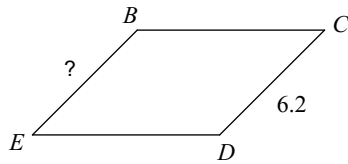


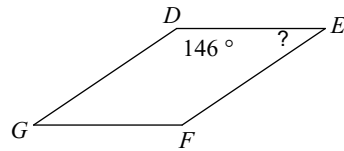
Properties of Parallelograms

Find the measurement indicated in each parallelogram.

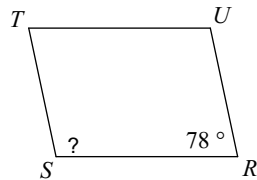
1)



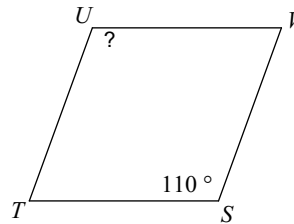
2)



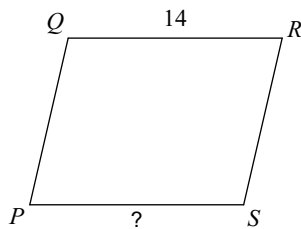
3)



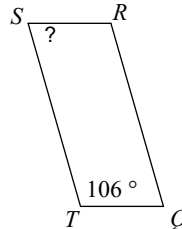
4)



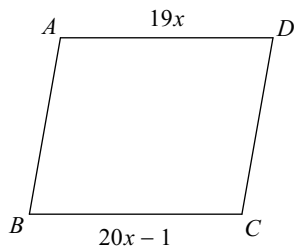
5)



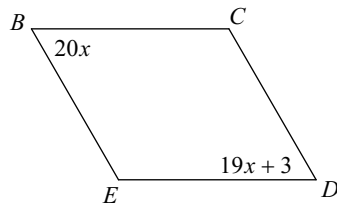
6)



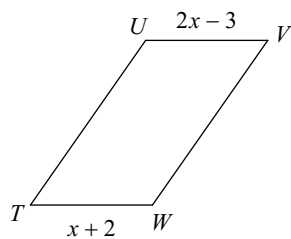
7) Find CB



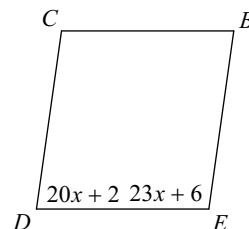
8) Find $m\angle B$



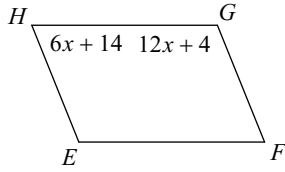
9) Find UV



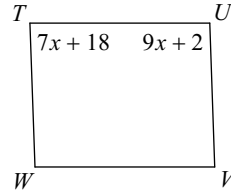
10) Find $m\angle D$



11) Find $m\angle G$



12) Find $m\angle T$

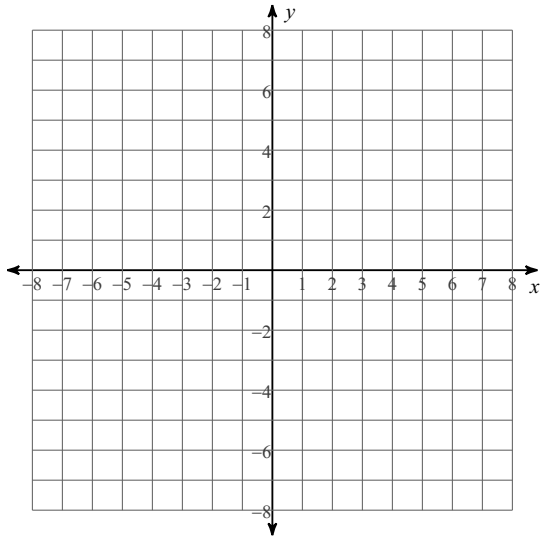


Determine whether the quadrilateral is a parallelogram.

13) Quadrilateral $WXYZ$ has the following vertices:

$W(-2, -1)$, $X(-1, 3)$, $Y(4, 3)$, $Z(3, -1)$.

14) Verify your answer in #13 using SLOPE.

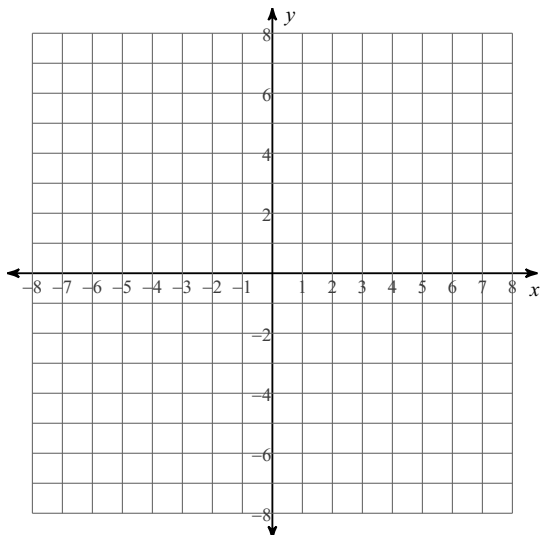


Determine whether the quadrilateral is a parallelogram.

15) Quadrilateral $ABCD$ has the following vertices:

$A(-2, 4)$, $B(3, 8)$, $C(7, 4)$ and $D(-2, 0)$.

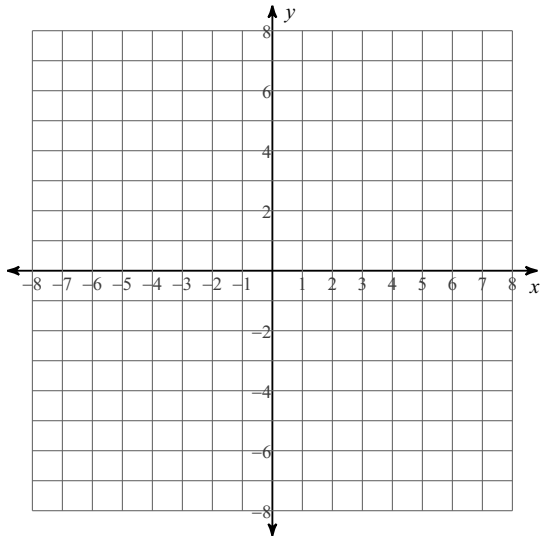
16) Verify your answer in #15 using the MIDPOINTS OF THE DIAGONALS.



Determine whether the quadrilateral is a parallelogram.

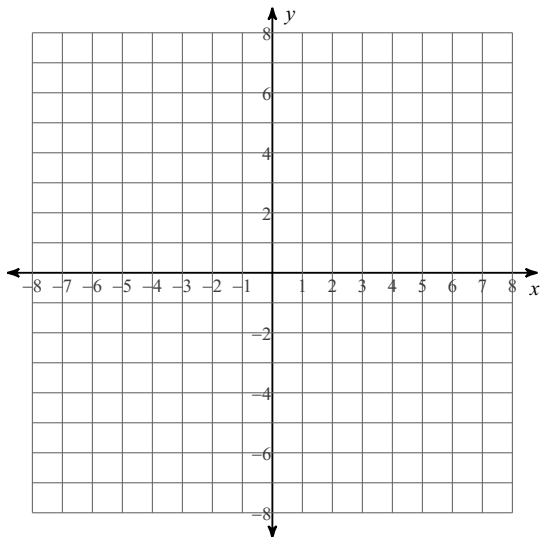
- 17) Quadrilateral $EFGH$ has the following vertices:
 $E(-1, 1)$, $F(1, 3)$, $G(4, -2)$, and $H(2, -4)$.

- 18) Verify your answer in #15 using DISTANCE.



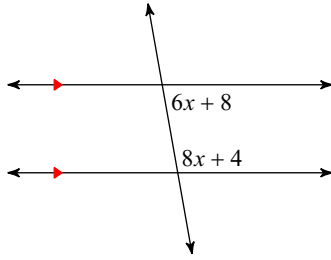
- 19) Draw quadrilateral $ABCD$ which has vertices: $A(-1, 4)$, $B(2, 6)$, $C(4, 2)$, and $D(1, 0)$.

- 20) Select TWO properties to determine if #19 is a parallelogram.

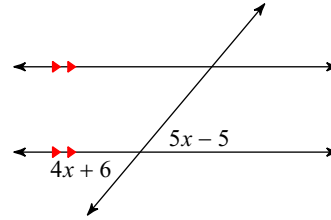


Find the measure of BOTH ANGLES indicated and STATE THE ANGLE RELATIONSHIP.

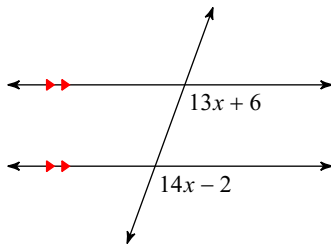
21)



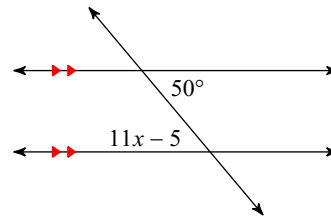
22)



23)



24)



Simplify the radical expression.

25) $\sqrt{150z}$

26) $\sqrt{27x^4}$

27) $6\sqrt[3]{168x^3y^2}$

28) $10\sqrt[5]{64x^5}$