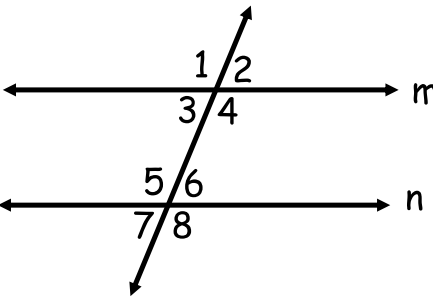
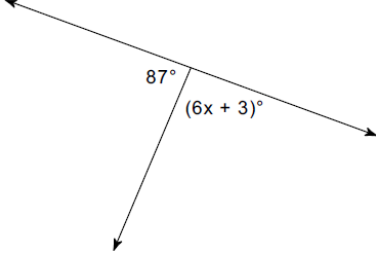
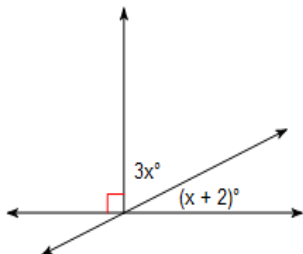
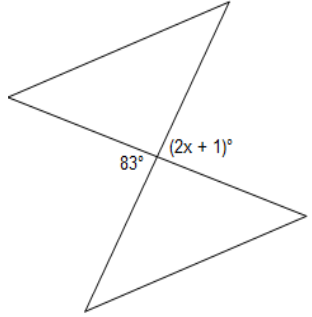
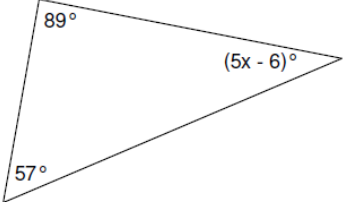
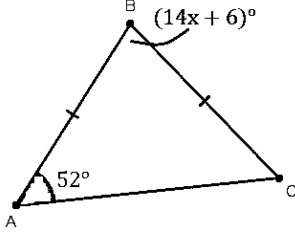
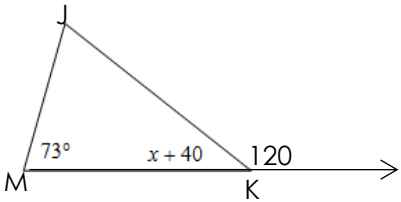
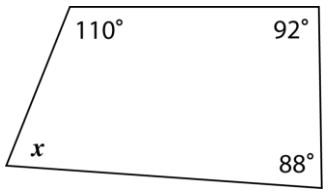
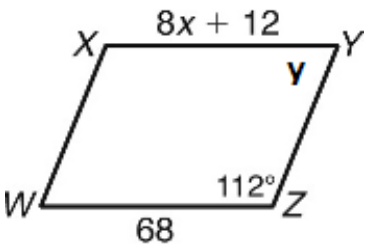
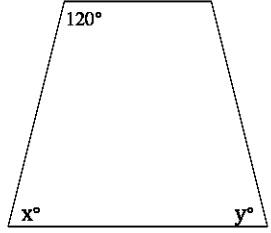


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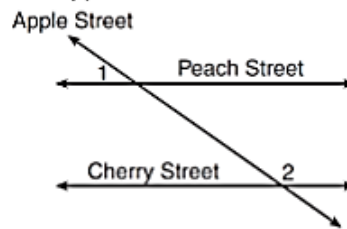
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Vocabulary: Supplementary, complementary, vertical, same side interior, same side exterior, alternate interior, alternate exterior, corresponding, triangle, quadrilateral, and parallelogram.

	<p>1) Name the angles listed and the special property.</p> <p>$\angle 1$ and $\angle 5$ _____</p> <p>$\angle 4$ and $\angle 6$ _____</p> <p>$\angle 2$ and $\angle 8$ _____</p> <p>$\angle 4$ and $\angle 5$ _____</p>	<p>2) Given $m \parallel n$ and $m\angle 8$, find the measures of all the numbered angles in the figure.</p> <p>$m\angle 1 =$ _____ $m\angle 2 =$ _____</p> <p>$m\angle 3 =$ _____ $m\angle 4 =$ _____</p> <p>$m\angle 5 =$ _____ $m\angle 6 =$ _____</p> <p>$m\angle 7 =$ _____ $m\angle 8 = 112$</p>
<p>3) Solve for x.</p> 	<p>4) Solve for x.</p> 	<p>5) Solve for x.</p> 
<p>6) solve for x.</p> 	<p>7) Solve for x.</p> 	<p>8) Solve for x and $m\angle J$</p> 
<p>9. Solve for x.</p> 	<p>10) Find x and y.</p> 	<p>11) Find x and y.</p> 

1) Peach Street and Cherry Street are parallel. Apple Street intersects them, as shown in the diagram below. If $m\angle 1 = 2x + 36$ and $m\angle 2 = 7x - 9$, what is $m\angle 1$?

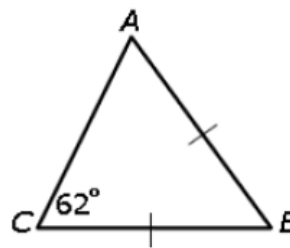
- A. 9
- B. 17
- C. 54
- D. 70



Answers
1) _____

2) What is the measure of $\angle B$ in the figure below?

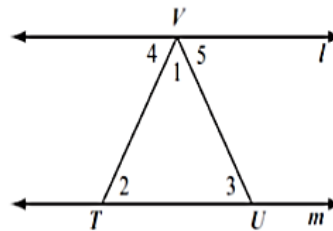
- A. 62
- B. 58
- C. 59
- D. 56



2) _____

3) In this figure, $l \parallel m$. Jessie listed the first two steps in a proof that $\angle 1 + \angle 2 + \angle 3 = 180^\circ$. Which justification can Jessie give for step 1 and 2?

- A. Alternate interior angles are congruent.
- B. Corresponding angles are congruent.
- C. Vertical angles are congruent.
- D. Alternate exterior angles are congruent.

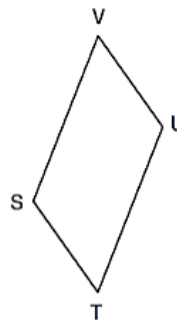


	Step	Justification
1	$\angle 2 \cong \angle 4$?
2	$\angle 3 \cong \angle 5$?

3) _____

4) In the diagram below of parallelogram STUV, $SV = x + 3$, $VU = 2x - 1$, and $TU = 4x - 3$. What is the length of \overline{SV} ?

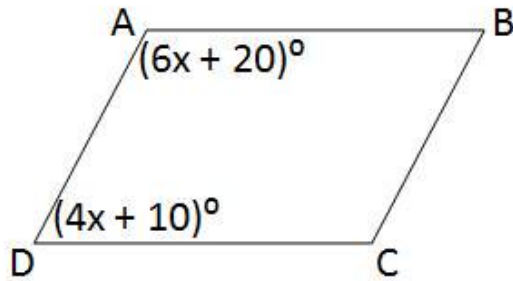
- A. 2
- B. 4
- C. 5
- D. 7



4) _____

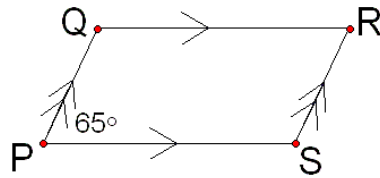
5) In parallelogram ABCD, find $m\angle A$.

- A. 15°
- B. 70°
- C. 110°
- D. 200°



5) _____

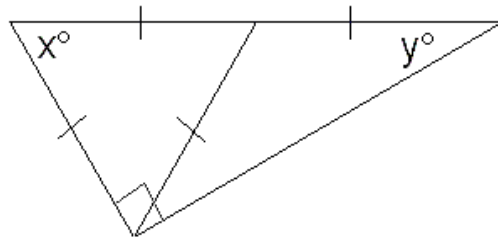
6) What reason explains why the $m\angle Q = 115^\circ$?



- A) diagonals of a parallelogram bisect each other
- B) opposite sides of a parallelogram are congruent
- C) opposite angles of a parallelogram are congruent
- D) consecutive angles of a parallelogram are supplementary

6) _____

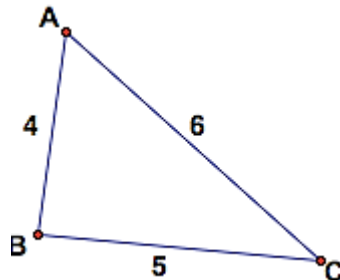
7) Find x and y in the diagram.



- A) $x = 60, y = 30$
- B) $x = 45, y = 60$
- C) $x = 30, y = 60$
- D) $x = 60, y = 120$

7) _____

8) List the angles of the triangle in order from SMALLEST to LARGEST.



- A) $\angle C, \angle B, \angle A$
- B) $\angle A, \angle B, \angle C$
- C) $\angle C, \angle A, \angle B$
- D) $\angle B, \angle C, \angle A$

8) _____