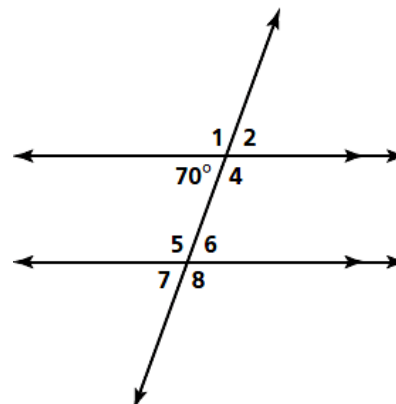


Name: _____ Per: _____

Parallel Lines Cut by a Transversal Review

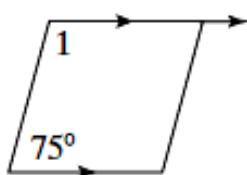
1. Find the measure of each angle in the diagram at the right.

- | | |
|-------------|-------------|
| $m\angle 1$ | $m\angle 2$ |
| $m\angle 4$ | $m\angle 5$ |
| $m\angle 6$ | $m\angle 7$ |
| $m\angle 8$ | |



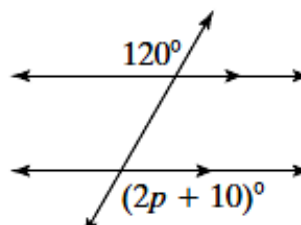
2. Find $m\angle 1$.

- A 75°
- B 85°
- C 95°
- D 105°



3. In the figure below, lines l and m are parallel. Find the value of p .

- A 50
- B 55
- C 60
- D 65



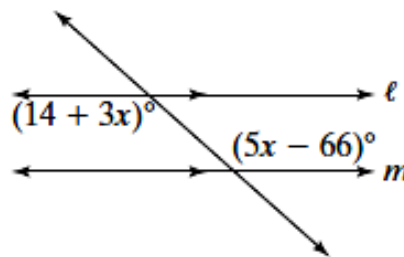
4.

Find the value of x for which $\ell \parallel m$.

The labeled angles are .

If $\ell \parallel m$, the alternate interior angles are .

and their measures are . Write and solve the equation - 66 = + 3x.



- 66 = + 3x

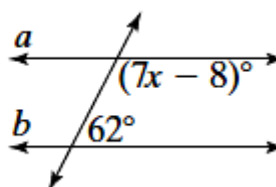
= + 3x Add to each side.

= Subtract from each side.

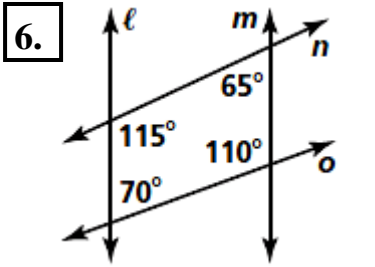
$x =$ Divide each side by .

5. Find the value of x for which $a \parallel b$.

Explain how you can check your answer.

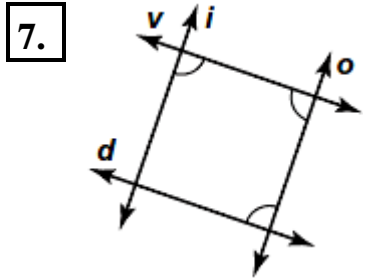


Which lines or segments are parallel? Justify your answer with a theorem or postulate.



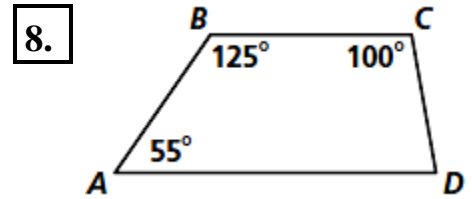
Parallel lines: _____

Theorem/Postulate: _____



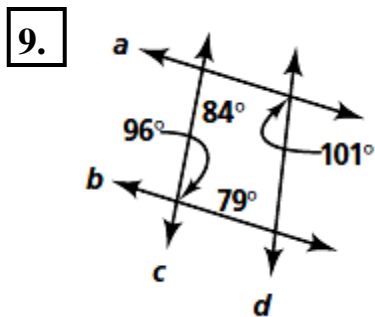
Parallel lines: _____

Theorem/Postulate: _____



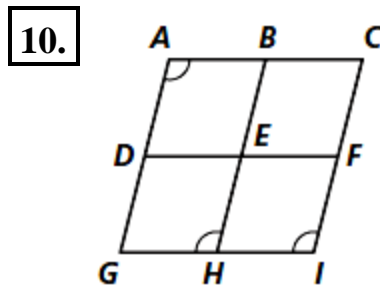
Parallel lines: _____

Theorem/Postulate: _____



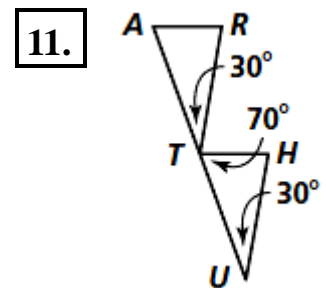
Parallel lines: _____

Theorem/Postulate: _____



Parallel lines: _____

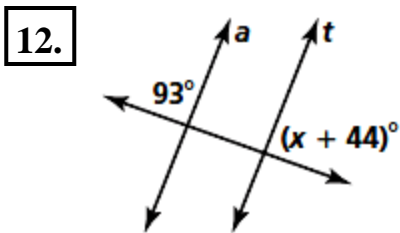
Theorem/Postulate: _____



Parallel lines: _____

Theorem/Postulate: _____

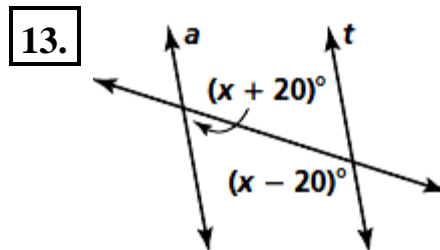
Find the value of x for which $a \parallel t$.



Name the Angle pair

Congruent or Supplementary

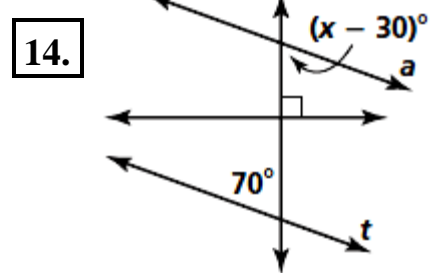
Solve:



Name the Angle pair

Congruent or Supplementary

Solve:



Name the Angle pair

Congruent or Supplementary

Solve: