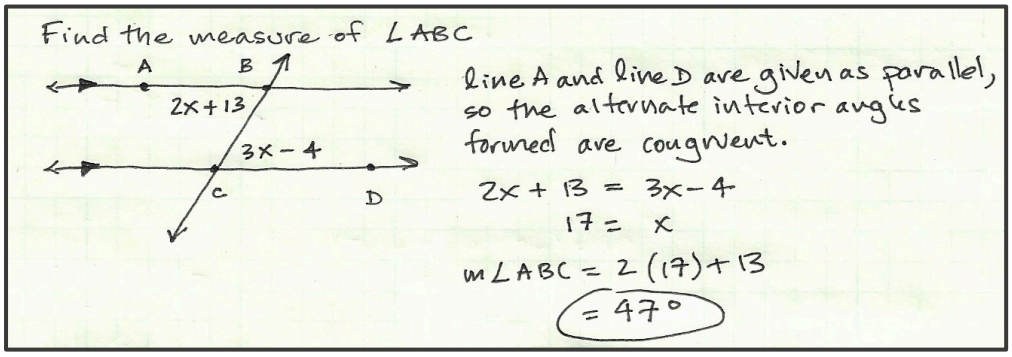
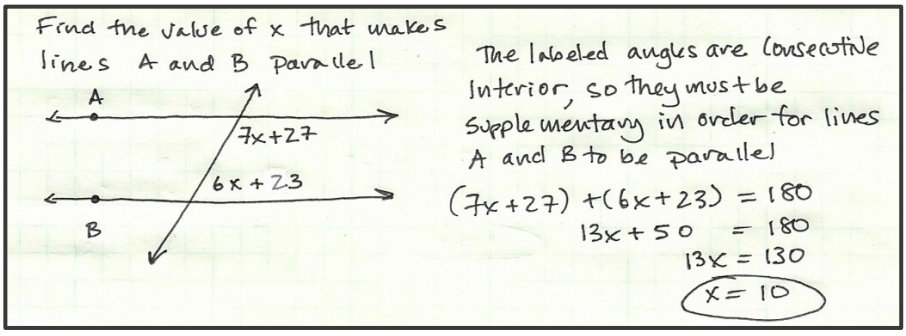
SRHS - Math I

Parallel Lines / Angle Pairs - Notes

- When a pair of lines are intersected by a third line (that we call a transversal), there are several kinds of angle pairs formed. Hopefully you got to work on this in class by playing Dance-Dance-Transversal. Here are the theorems we worked with: If two parallel lines are cut by a transversal, then the formed...
  - ...Corresponding Angles are ***Congruent***.
  - ...Alternate Interior Angles are ***Congruent***.
  - ...Alternate Exterior Angles are ***Congruent***.
  - ...Consecutive Interior (sometimes called Same-side Interior) angles are ***Supplementary***.



- The converse of each of these theorems is also true: If two lines are cut by a transversal and the formed...
  - ...Corresponding Angles are ***Congruent***, then the lines are parallel.
  - ...Alternate Interior Angles are ***Congruent***, then the lines are parallel.
  - ...Alternate Exterior Angles are ***Congruent***, then the lines are parallel.
  - ...Consecutive Interior (sometimes called Same-side Interior) angles are ***Supplementary***, then the lines are parallel.



- To review this topic in more detail, consult your textbook and see pages 500, 504, 510-511 and the examples that follow.

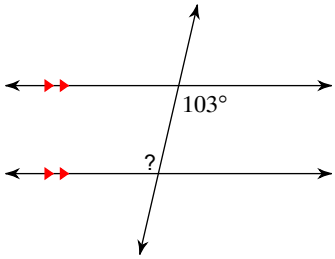
2020 - Review #10 Name_____

SRHS Math 1

Date_____ Period____

Find the measure of each angle indicated.

1)



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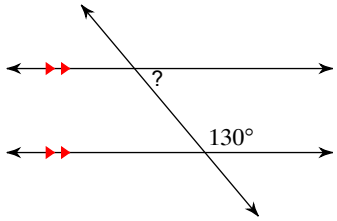
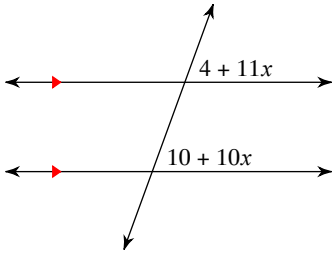


Solve for *x*.

3)



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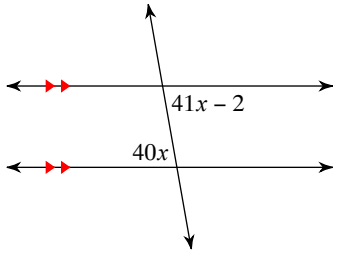
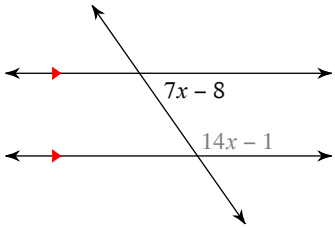


Find the measure of the angle indicated in bold.

5)



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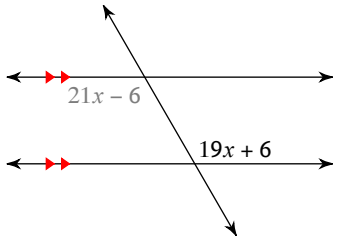
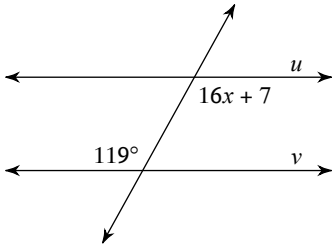


Find the value of *x* that makes lines u and v parallel.

7)



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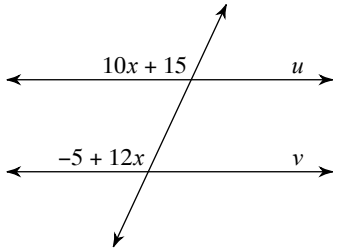

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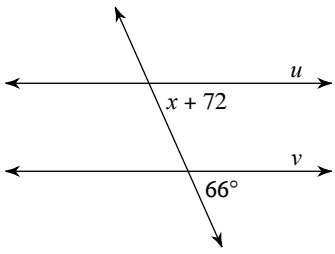

10)