

Day 2: Parallel Lines and Angles

Date _____

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1) Parallel Lines are _____

A Transversal is _____

Here is the picture:

2) Alternate Exterior Angles:

3) Alternate Interior Angles:

4) Same-Side (Consecutive) Interior Angles:

5) Corresponding Angles:

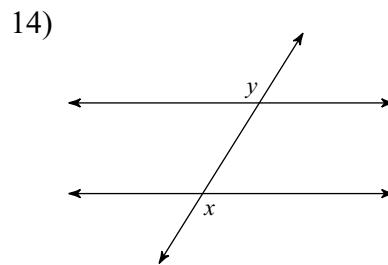
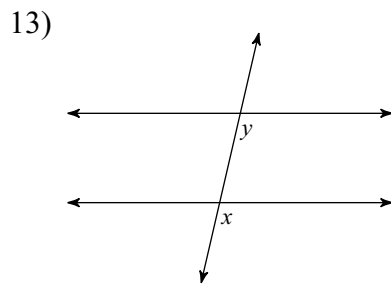
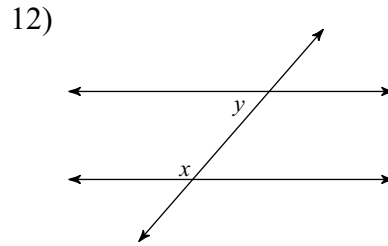
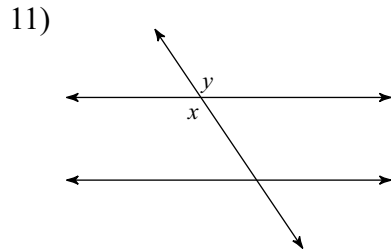
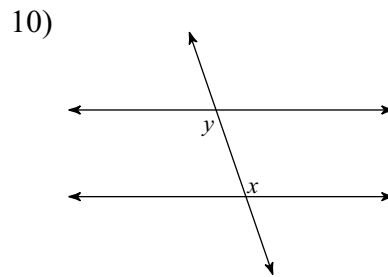
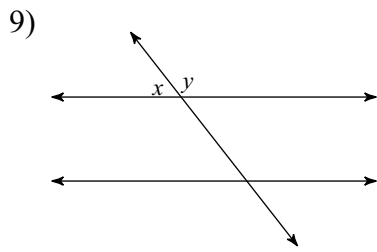
6) Vertical Angles:

7) Adjacent Angles:

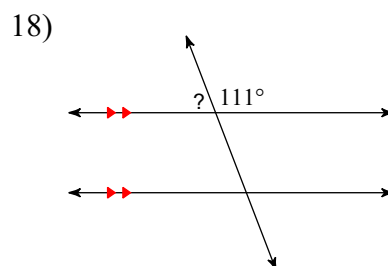
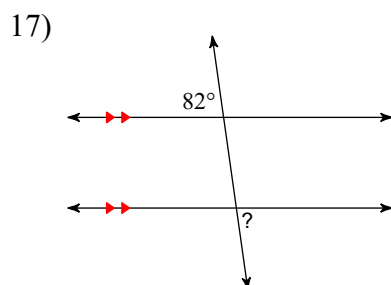
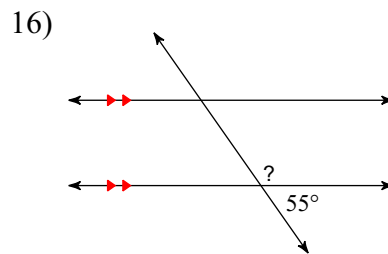
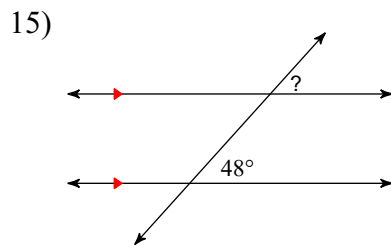
8) The following angle relationships are CONGRUENT (equal):

The following angle relationships are SUPPLEMENTARY (add up to 180):

Identify each pair of angles AND state whether they are congruent or supplementary.
 (corresponding, alternate interior, alternate exterior, same-side interior, vertical, or adjacent)

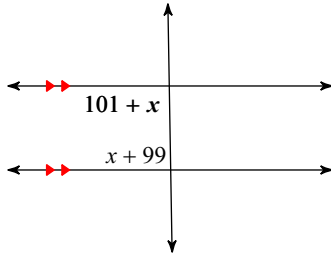


Find the measure of each angle indicated AND state the angle relationship.

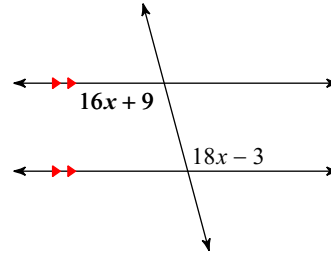


Find the measure of BOTH angles indicated.

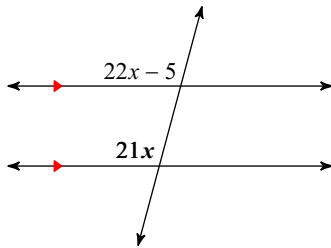
19)



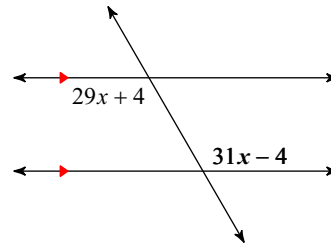
20)



21)



22)



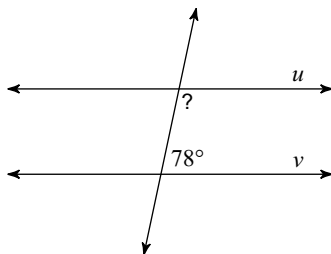
23) PROVE IT!! :)

How do we prove lines are parallel?

Use definitions (example: definition of corresponding angles, definition of supplementary angles).
Organize your justifications in a t-table with statements and reasons.

Prove lines u and v are parallel.

24)



25)

