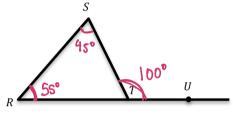
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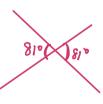
LEARNING OBJECTIVE: We will apply everything we know to find missing angle measurements. (G8M2L11)

CONCEPT DEVELOPMENT:

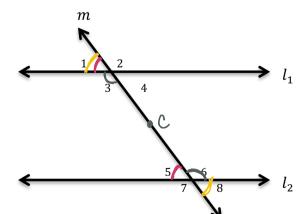
We know many things about angle measurements:

- 1. A straight line is 180 degrees
- 2. The interior angles of a triangle add up to 180 degrees.
- 3. the exterior angle of a triangle is equal to the sum of the two remote interior angles of the triangle.





- 4. When two lines intersect, the $\boldsymbol{vertical}$ angles are congruent.
- 5. When you have two parallel lines cut by a transversal the following are true:
 - a. Corresponding angles are congruent. Translation \$1\$45
 - b. Alternate interior angles are congruent.
 c. alternate exterior angles are congruent.

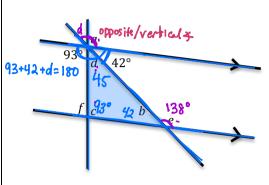


Date:

GUIDED PRACTICE:

Steps for Finding Missing Angle Measures

- 1. Look for triangles, straight lines, parallel lines, and other things that can help you find missing angle measures.
- 2. Use the facts we have learned about triangles and parallel lines to find the missing angle measures.



$$a = 93^{\circ}$$

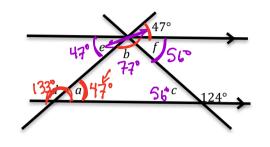
$$b = 42^{\circ}$$

$$c = 93^{\circ}$$

$$d = 45^{\circ}$$

$$e = 138^{\circ}$$

$$f = 87$$



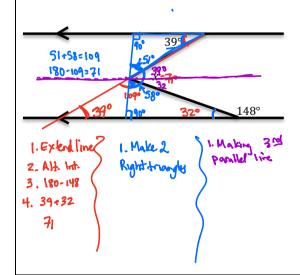
$$a = 47^{\circ}$$

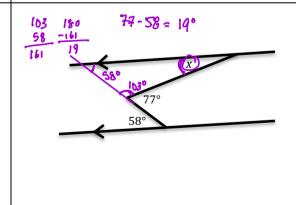
$$b = 77^{\circ}$$

$$c = 180 - 124 = 56°$$

$$d =$$

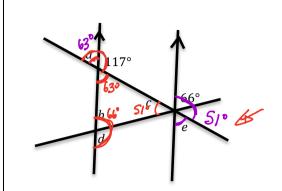
$$e = 47^{\circ}$$





Date:_____

INDEPENDENT PRACTICE:



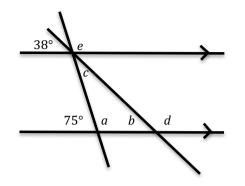
$$a = 63^{\circ}$$

$$b = b b^0$$

$$c = Sl^{\mathfrak{d}}$$

$$d = 114^{\circ}$$

$$e = 63^{\circ}$$



$$a =$$

$$b =$$

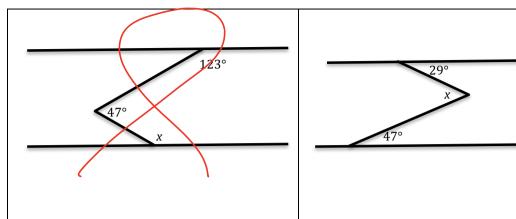
$$c =$$

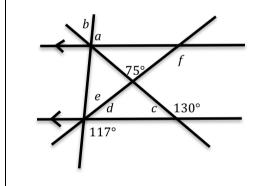
$$d =$$

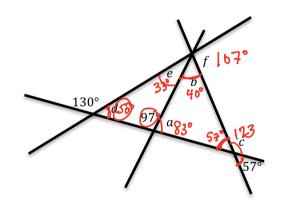
$$e =$$



Date:_____







NAME:	Math 7.1 Period
Mr. Rogove	Date:

ACTIVATING PRIOR KNOWLEDGE:

Review triangle sum theorem.

CLOSURE:

