

4.3

Name (print first and last) _____

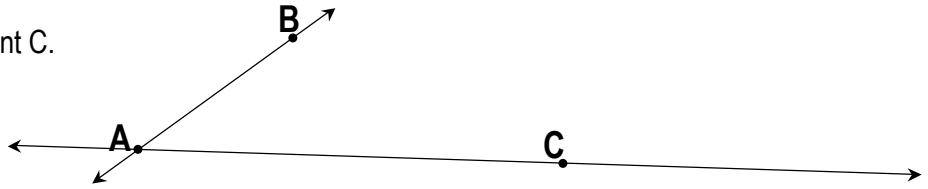
Per _____ Date: 11/15 due 11/19

4.3 Angles: Using Relationships

Geometry Regents 2013-2014 Ms. Lomac

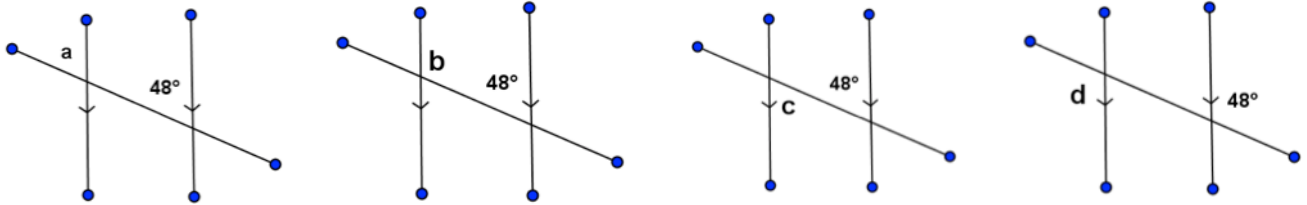
SLO: I can solve problems involving angles formed by transversals.

(1) Construct a copy of $\angle BAC$ at point C.



(2) Use your angle notes sheet to name a relationship, write an equation, and solve the problem.

NOTICE: Reasons can ONLY include relationships to angles that are already known.



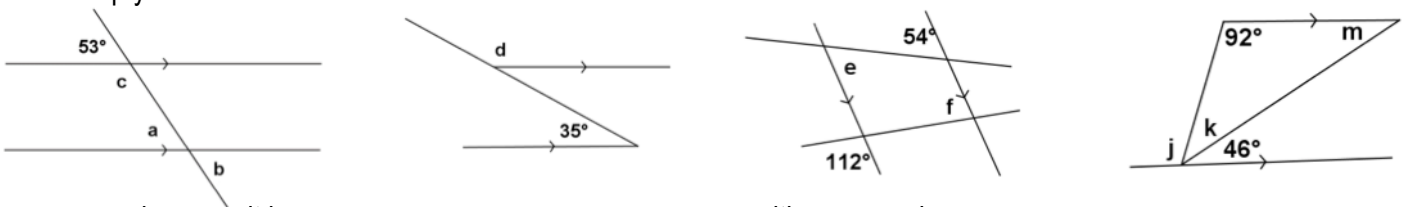
$m\angle a =$ _____ because it is _____ with the _____ $^\circ$ angle and the lines are _____

$m\angle b =$ _____ because it is _____ with the _____ $^\circ$ angle and the lines are _____

$m\angle c =$ _____ because it is _____ with the _____ $^\circ$ angle and the lines are _____

$m\angle d =$ _____ because it is _____ with the _____ $^\circ$ angle and the lines are _____

(3) Use your angle notes sheet to name a relationship, write an equation, and solve the problem. Mention parallel lines when needed. REMEMBER: Reasons can ONLY include relationships to angles that are already known. Use the space at the bottom to solve any equations you write. Add the letter x to the diagram to help you find d and y to help you find f.



$m\angle a =$ _____ because it is _____ with _____ and _____

$m\angle b =$ _____ because it is _____ with _____ and _____

$m\angle c =$ _____ because it is _____ with _____ and _____

$m\angle d =$ _____ because it is _____ with _____ and _____

$m\angle x =$ _____ because it is _____ with _____ and _____

$m\angle e =$ _____ because it is _____ with _____ and _____

$m\angle f =$ _____ because it is _____ with _____ and _____

$m\angle y =$ _____ because it is _____ with _____ and _____

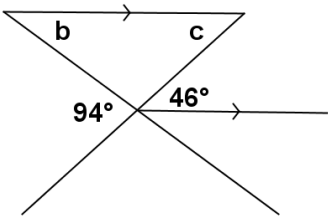
$m\angle j =$ _____ because it is _____ with _____ and _____

$m\angle k =$ _____ because it is _____ with _____ and _____

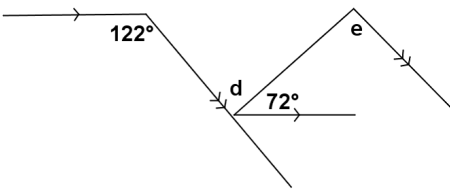
$m\angle m =$ _____ because it is _____ with _____ and _____

4.3

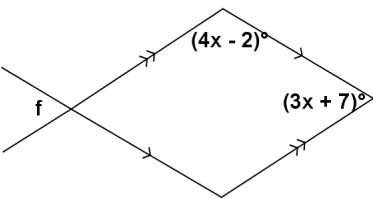
□ (f)



□ (g)



□ (h)



4.3 Exit Ticket Name _____ Per _____

Find the measure of angle h.

_____ because _____

_____ because _____

_____ because _____

_____ because _____

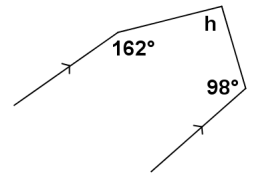
_____ because _____

_____ because _____

_____ because _____

_____ because _____

- 😎 I got this! 🏆
- 😊 I can with a bit of help 🧑🏫
- 😊 I will, given lots of help 🧑🏫
- 😞 I can't 🧑🏫
- 😞 I won't bother to 🧑🏫
- 😞 I refuse to 🧑🏫



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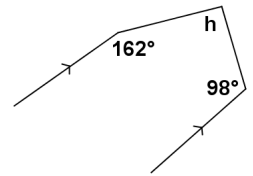
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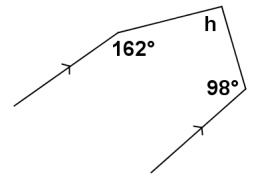
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