

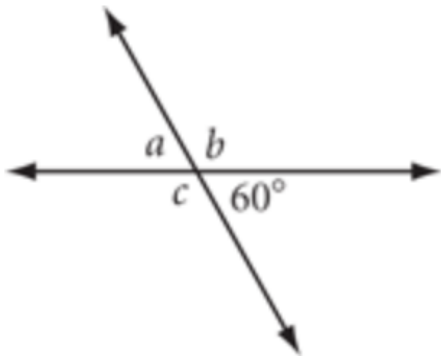
Geometry HW – Practice with Special Angle Relationships, due Fri 9/9

Please use the conjecture list I posted and your notes from class as a reference for this assignment.

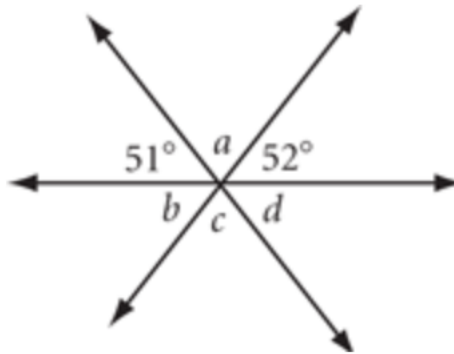
Vertical Angles and Linear Pairs (Sect. 2.4)

Find the unknown angles.

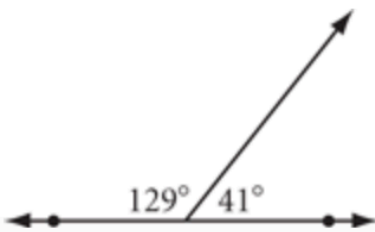
1.



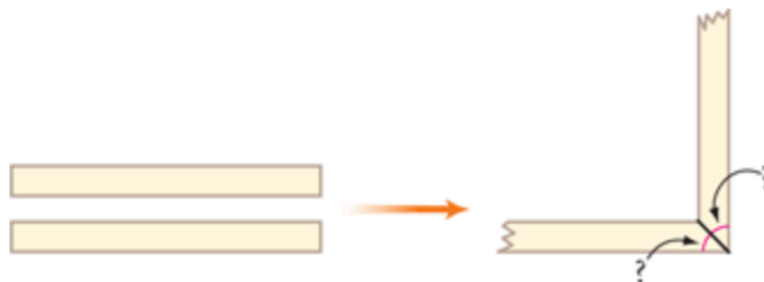
3.



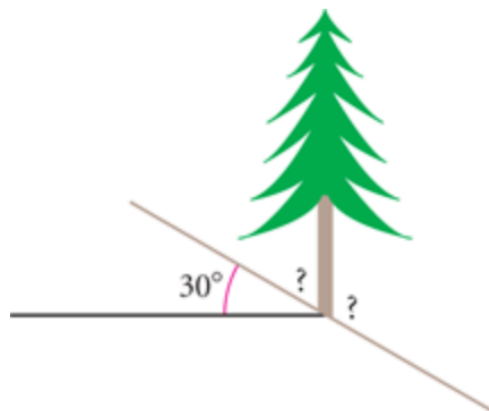
6. **DEVELOPING PROOF** Points A , B , and C at right are collinear. What's wrong with this picture?



7. Yoshi is building a cold frame for his plants. He wants to cut two wood strips so that they'll fit together to make a right angle. At what angle should he cut ends of the strips?

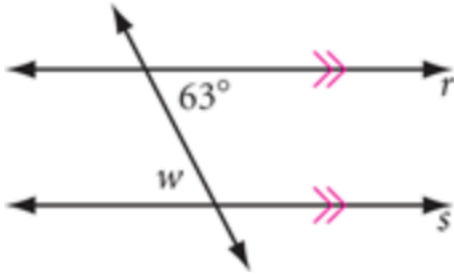


8. A tree on a 30° slope grows straight up. What are the measures of the greatest and smallest angles the tree makes with the hill? Explain.

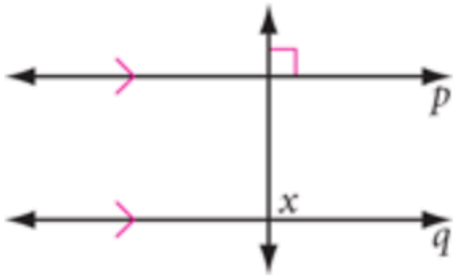


Parallel Lines and Special Angles (Sect. 2.5)

1. $w = \underline{\quad ? \quad}$



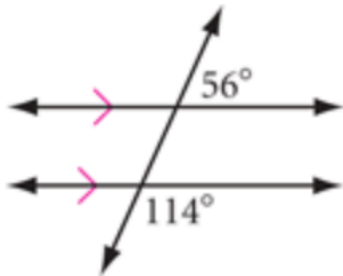
2. $x = \underline{\quad ? \quad}$



3. Is line k parallel to line ℓ ? Explain.



9. **DEVELOPING PROOF** What's wrong with this picture?



10. **DEVELOPING PROOF** What's wrong with this picture?

