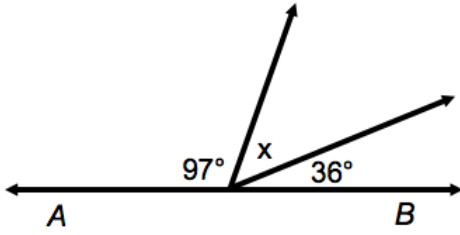


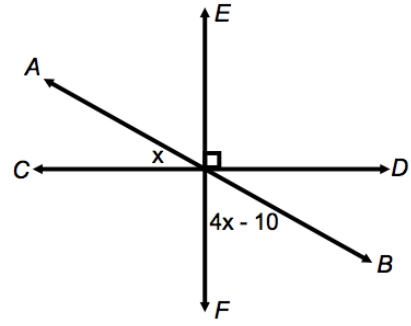
# Geometry CC 1.8 HW - Angles

Part A: Find the value of  $x$  and/or  $y$  in each diagram below. Show all steps to your solution.

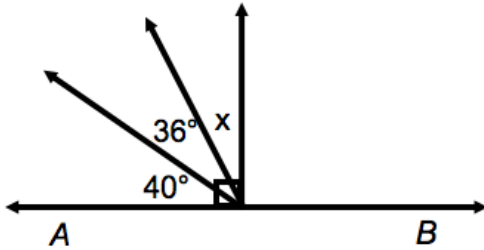
1.



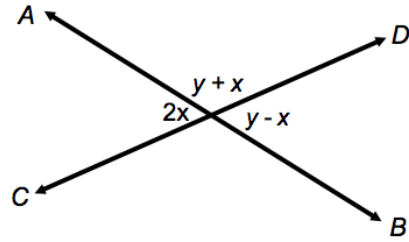
5.



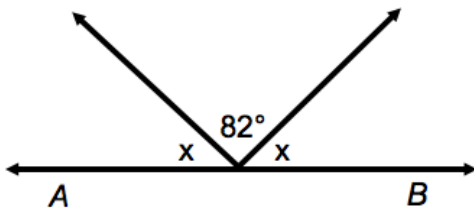
2.



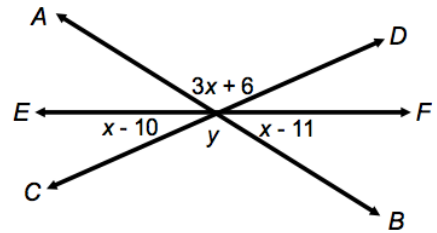
6.



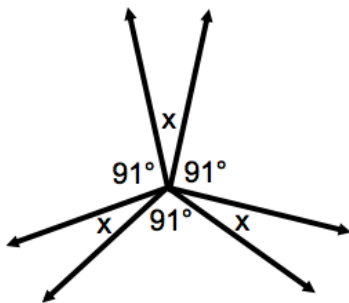
3.



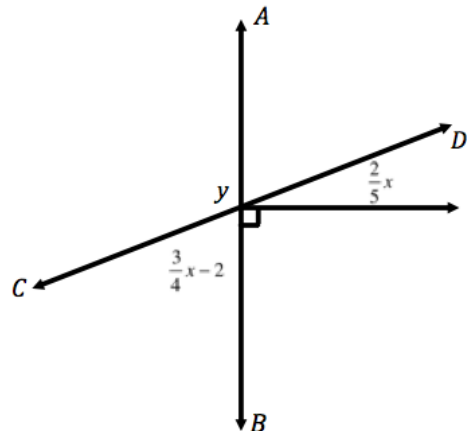
7.



4.

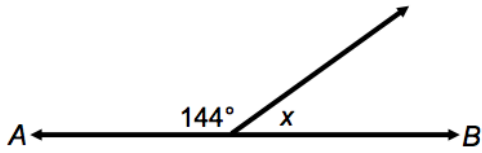


8.

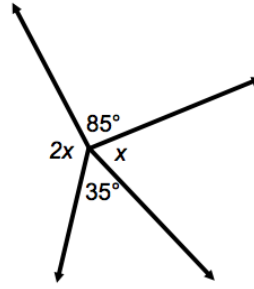


Part B: In the figures below,  $\overline{AB}$  and  $\overline{CD}$  are straight lines. Find the value of  $x$  and/or  $y$  in each diagram below. Show all steps to your solution.

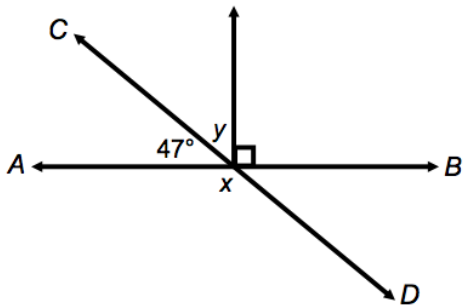
1.



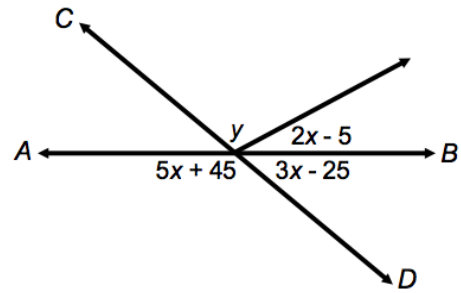
2.



3.



4.



5. If  $\angle A$  and  $\angle B$  are complementary and  $m\angle A = 26 - x$ ;  $m\angle B = 4x + 13$ , find the value of  $x$  and the measure of the angles.

6. If  $\angle A$  and  $\angle B$  are supplementary and the measure of  $\angle A$  is 12 less than twice the measure of  $\angle B$ , find the measures of each angle.