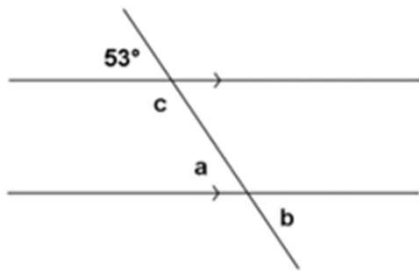


Angle Worksheets

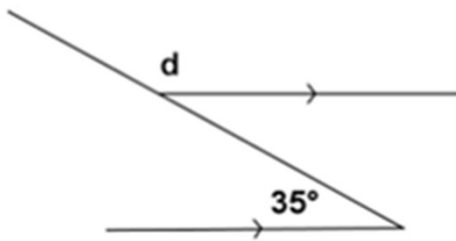
In each exercise below, find the unknown (labeled) angles. Give reasons for your solutions.



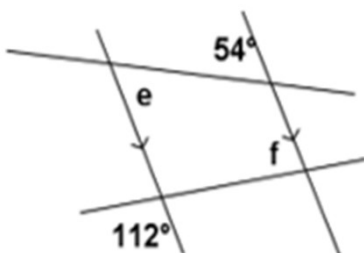
$$m\angle a =$$

$$m\angle b =$$

$$m\angle c =$$



$$m\angle d =$$

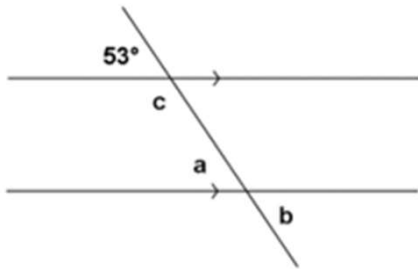


$$m\angle e =$$

$$m\angle f =$$

Angle Worksheets

In each exercise below, find the unknown (labeled) angles. Give reasons for your solutions.



$$m\angle a = 53^\circ$$

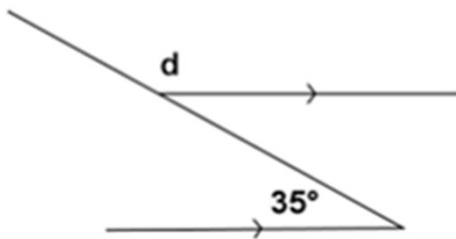
If parallel lines are cut by a transversal, then corresponding angles are equal in measure.

$$m\angle b = 53^\circ$$

Vertical angles are equal in measure.

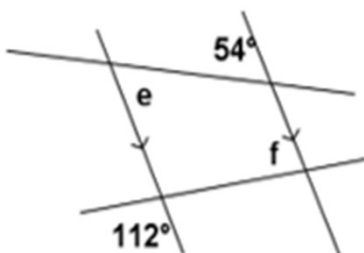
$$m\angle c = 127^\circ$$

If parallel lines are cut by a transversal, then interior angles on the same side are supplementary.



$$m\angle d = 145^\circ$$

Linear pairs form supplementary angles; if parallel lines are cut by a transversal, then alternate interior angles are equal in measure.



$$m\angle e = 54^\circ$$

If parallel lines are cut by a transversal, then alternate interior angles are equal in measure.

$$m\angle f = 68^\circ$$

Vertical angles are equal in measure; if parallel lines are cut by a transversal, then interior angles on the same side are supplementary.