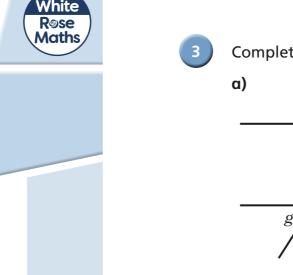
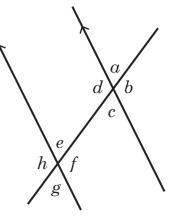
Identify and calculate with alternate and corresponding angles



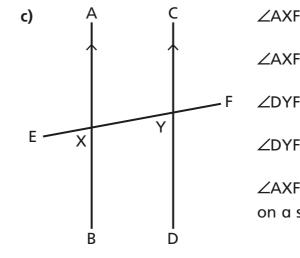
Complete the sentences.

b)

Angle Angle Angle Angle



Angles d and ______ are adjacent angles on a straight line.
Angles d and ______ are alternate angles.
Angles ______ and d are corresponding angles.
Angles d and ______ are vertically opposite angles.



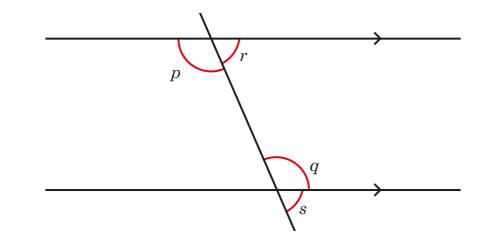
Are the pairs of angles alternate, corresponding or neither?

c)

b)

Four angles are labelled on the diagram.

a)



a) p and q are alternate angles. Measure the size of each angle and label them on the diagram.

What do you notice?

b) Complete the sentence.

Alternate angles are _____

c) r and s are corresponding angles. Measure the size of each angle and label them on the diagram.

What do you notice?

d) Complete the sentence.

Corresponding angles are ____

Angle <i>a</i> is vertically opposite angle
Angle a is corresponding to angle
Angle h is alternate to angle
Angle <i>h</i> is corresponding to angle
Angle <i>h</i> is vertically opposite angle

 $\angle AXF$ is alternate to _____

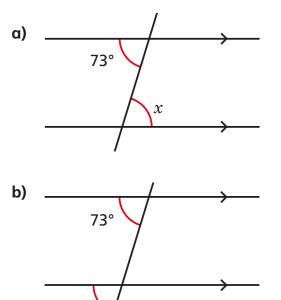
- $\angle AXF$ is corresponding to _____
- \angle DYF is corresponding to _____
- \angle DYF is vertically opposite to _____

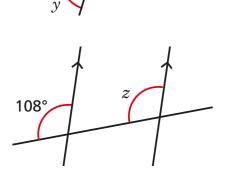
⁼ and	are	adjacent	angles
straight line.			

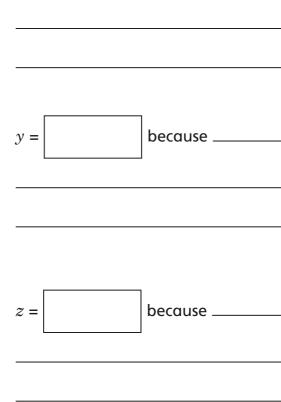
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Work out the sizes of the unknown angles.

Give reasons for your answers.





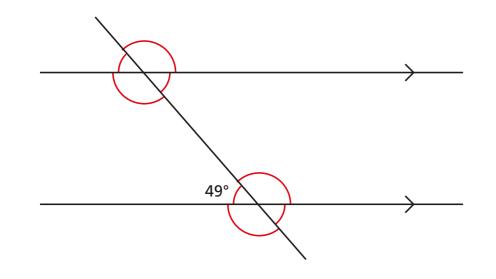


because _

c)

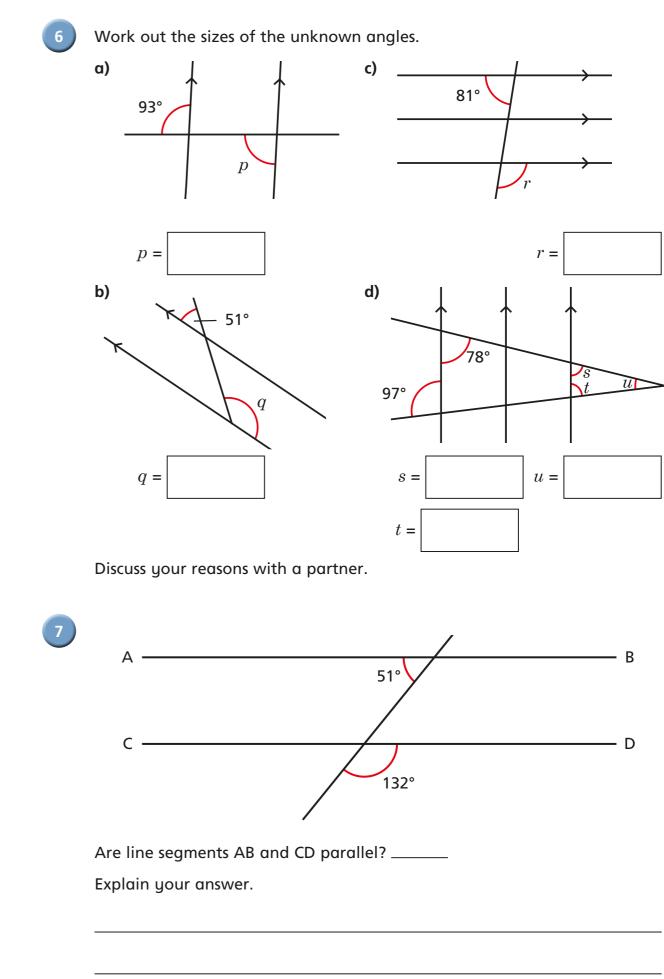
Work out the sizes of the unknown angles and label them on the diagram.

x =



Compare your thinking with a partner.

Did you work them out the same way?







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