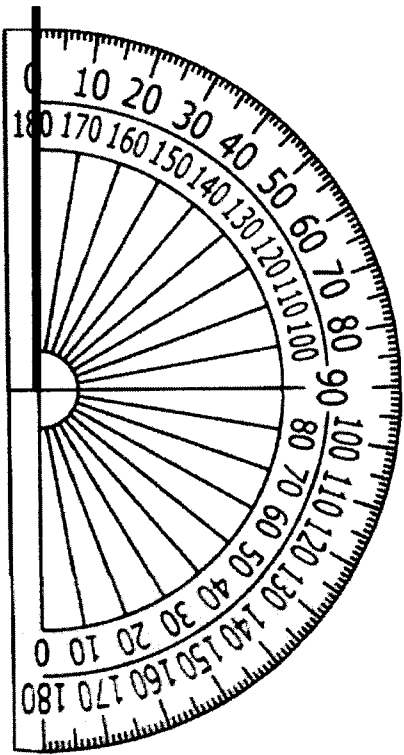


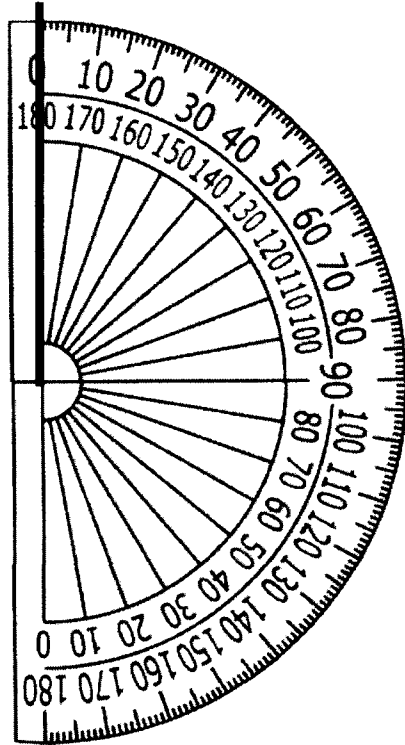
ANGLES

Page	Description
1	Draw angles
2	Measure and draw angles
3	Draw angles
4	Measure, draw and angle questions. You need sheet 5 as well
5	Angles to measure for sheet 4
6	Angle Calculation facts
7	Calculate missing angles
8	Calculate missing angles puzzle
9	Parallel lines questions 1 to 4
10	Parallel lines questions 5 to 8
11	Parallel lines questions 9 to 12
12	Angle calculations recap questions 1 to 3
13	Angle calculations recap questions 4 to 7

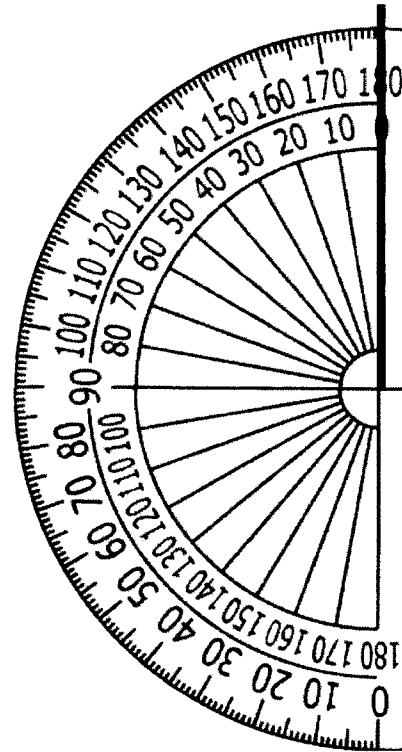
50°



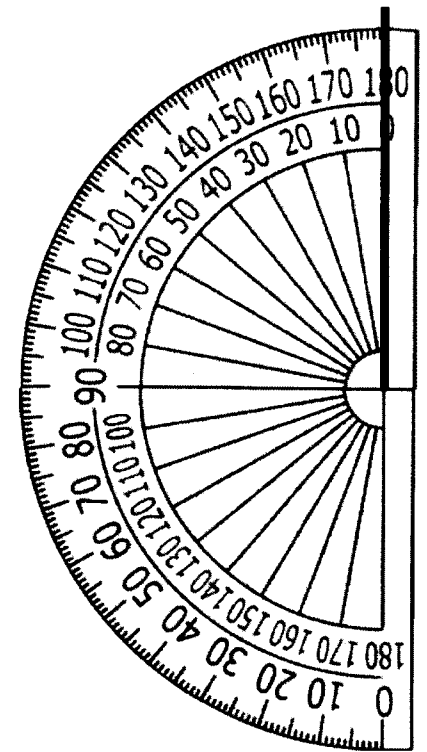
110°



200° (180 + ____ = 200)

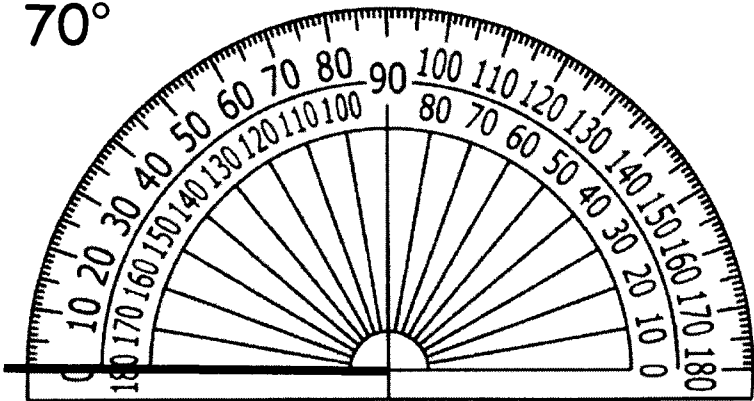


300°

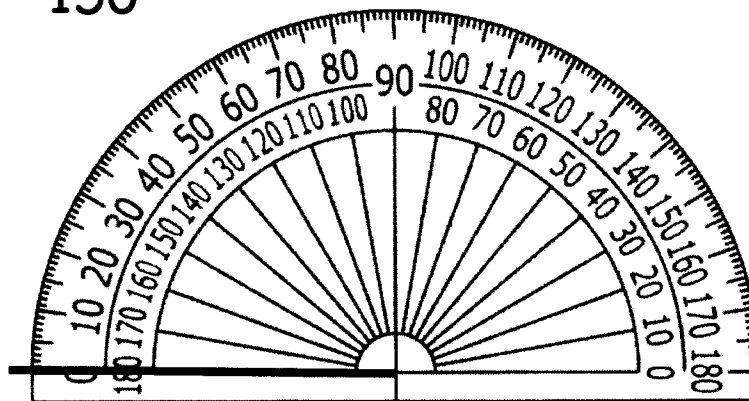


180 + ____ = 300

70°



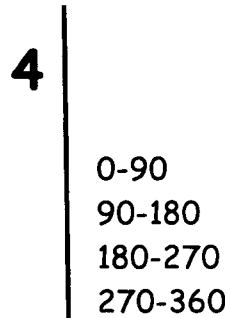
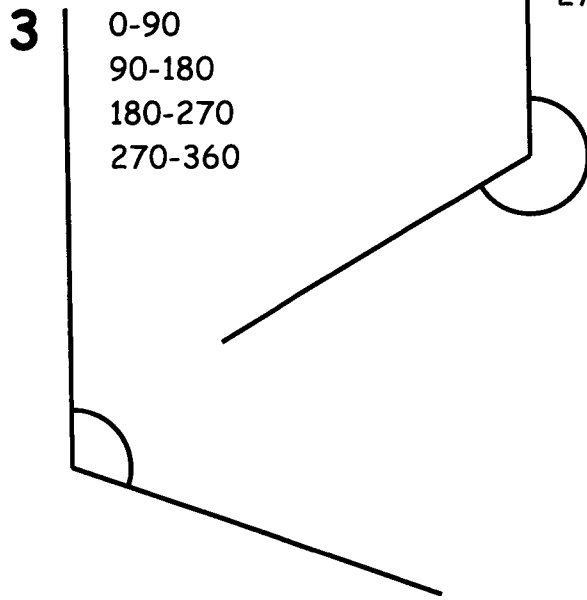
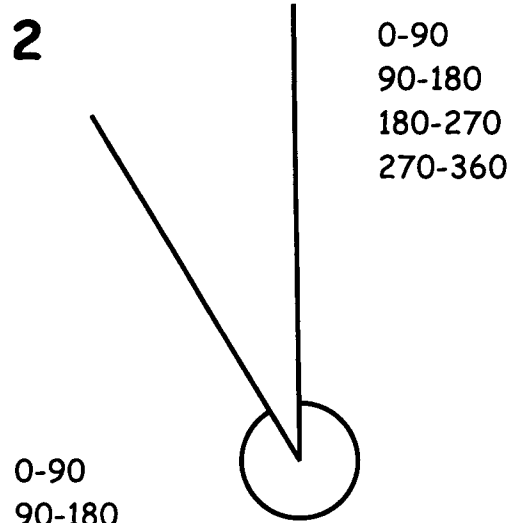
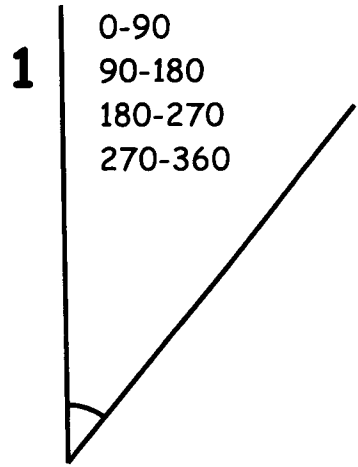
150°



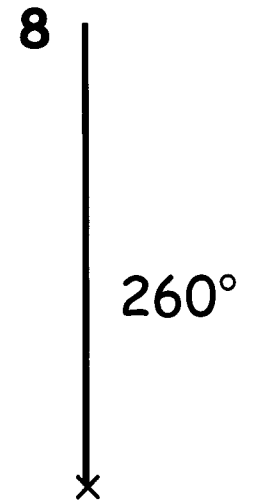
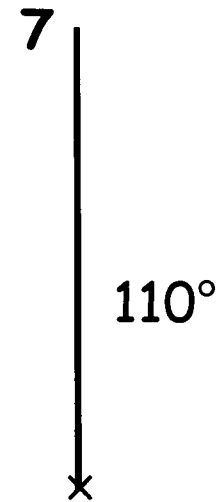
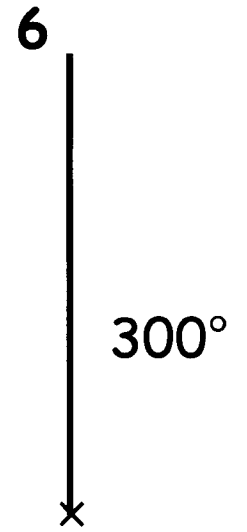
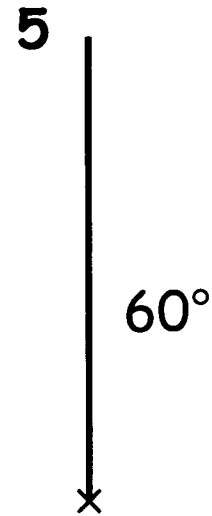
Draw and label these angles. We are drawing each one clockwise.

Also say whether each angle is acute, obtuse or reflex

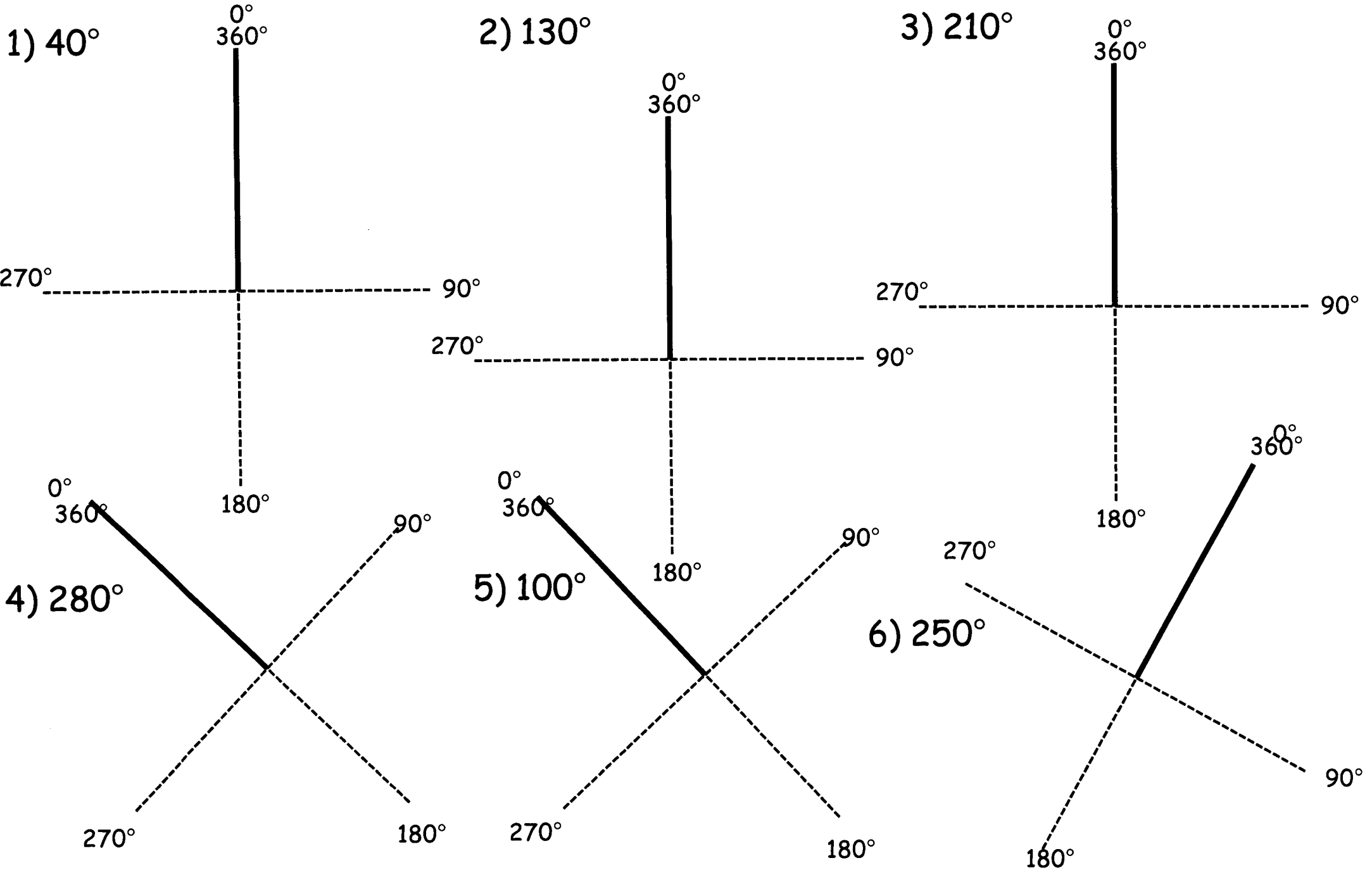
For each of these 4 angles estimate which group you think the answer will be in, then measure it accurately



Draw these angles



Draw these angles. Start at the bold black line and go *CLOCKWISE*



Angles

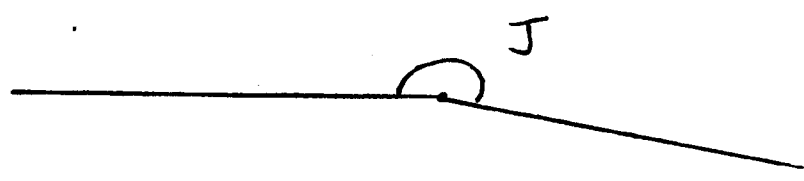
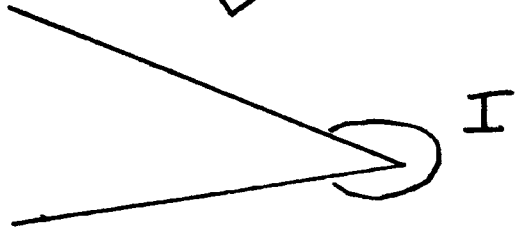
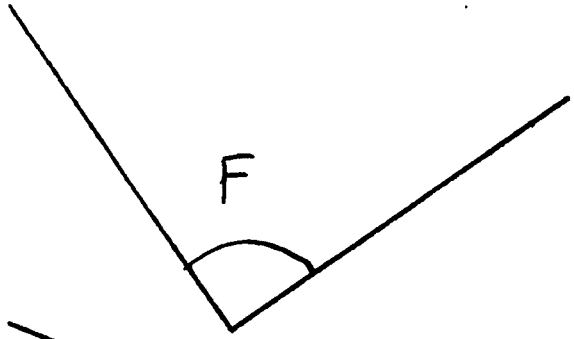
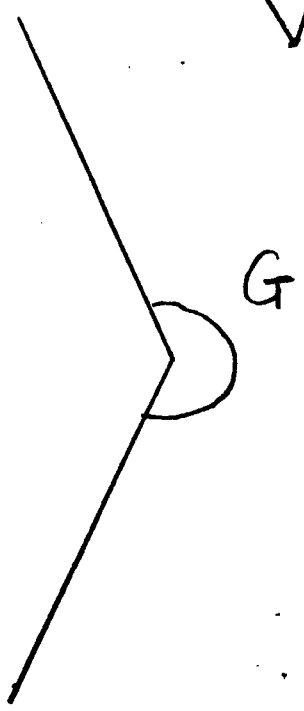
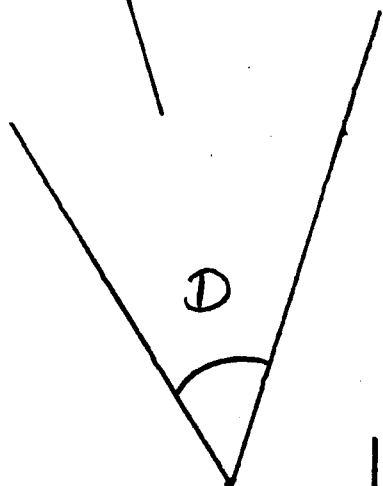
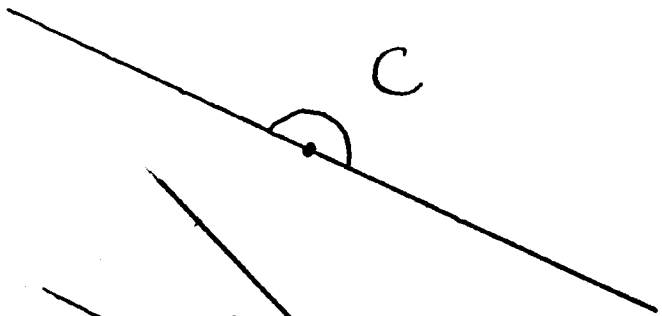
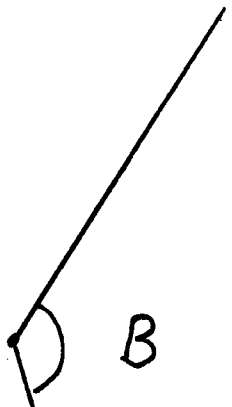
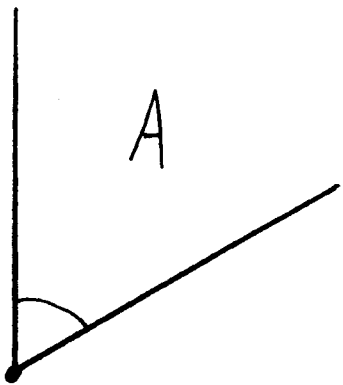
Look at the ten angles labelled A to J. You need sheet 5. This has the angles on it

- 1 Which angle is a right angle? _____
- 2 Which angle is a straight line? _____
- 3 Write down the letters of the angles you think are less than 90° . _____
- 4 Write down the letters of the angles you think are more than 180° . _____
- 5 Which is the biggest of the 10 angles? _____
- 6 Which is the smallest of the 10 angles? _____
- 7 How many degrees in a right angle? _____
- 8 How many degrees make a straight line? _____
- 9 How many degrees make a full turn? _____

10 Fill in the guess column in the table.

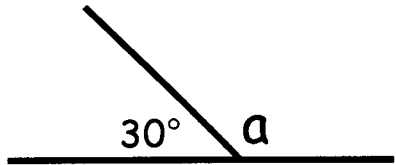
Angle	Guess	Actual Size
A		
B		
C		
D		
E		
F		
G		
H		
I		
J		

- 11 Measure the angles with your angle measurer; write the answers in the actual size column of the table.
- 12 Using the letters A to J write down the angles in order of size starting with the smallest.
 Smallest _____ Largest
- 13 How many degrees in a quarter of a turn? _____
- 14 In your exercise book draw these angles accurately. Don't forget to label them.
 a) 80° b) 30° c) 120° d) 230° e) 320°

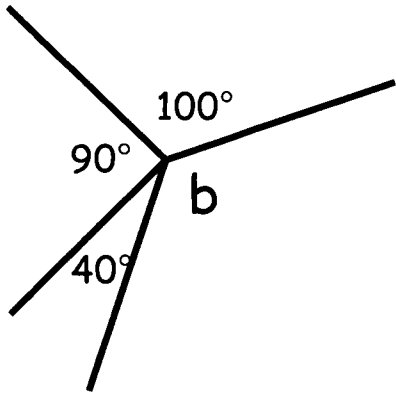


(5)

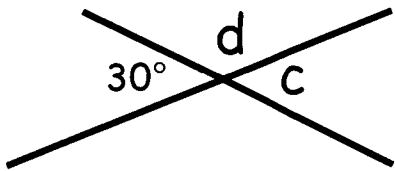
Angle Facts



a =
reason

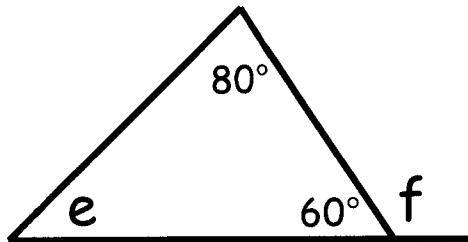


b =
reason



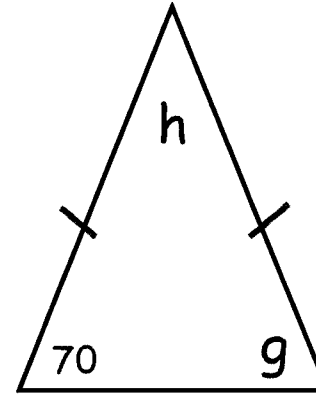
c =
reason

d =
reason



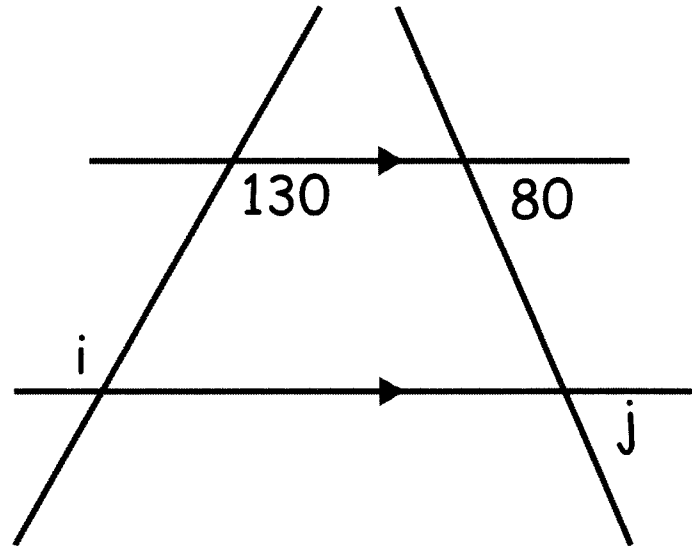
e =
reason

f =
reason



g =
reason

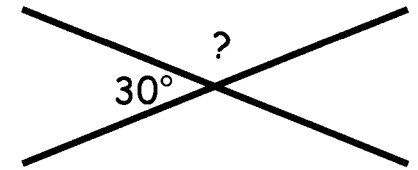
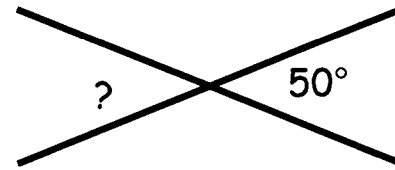
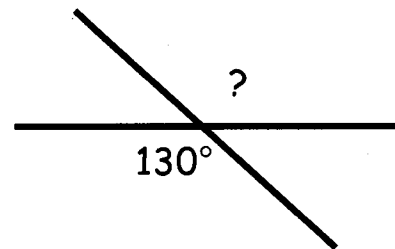
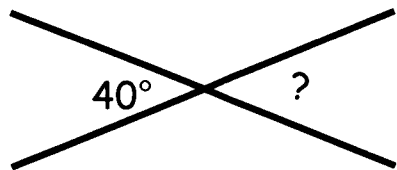
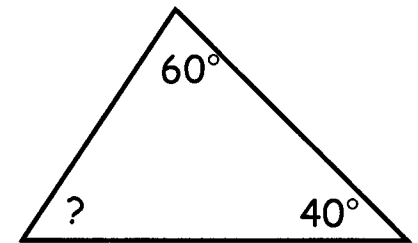
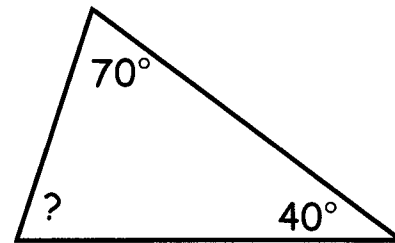
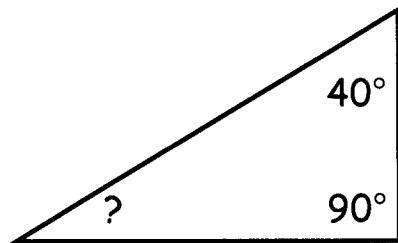
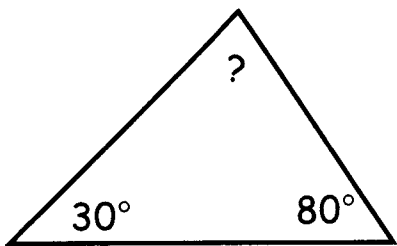
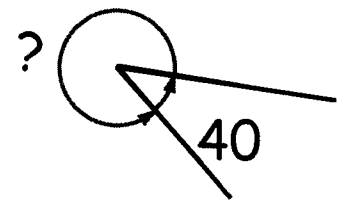
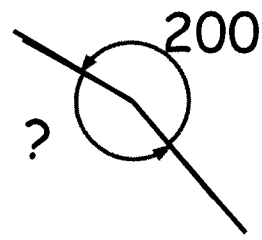
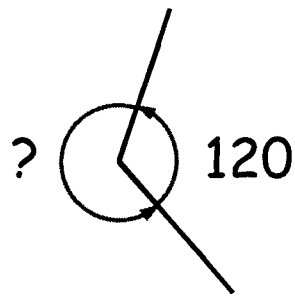
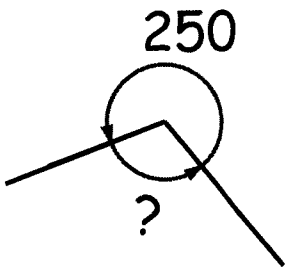
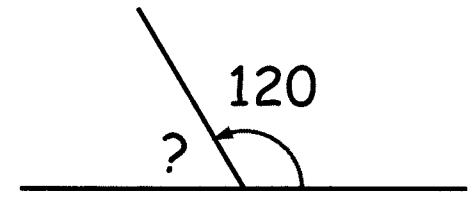
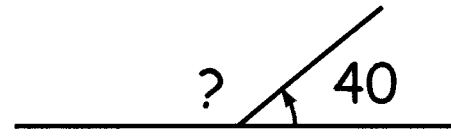
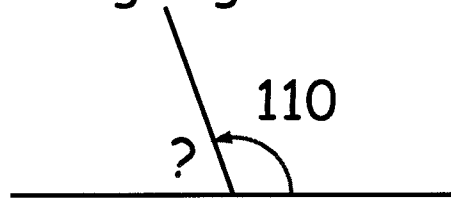
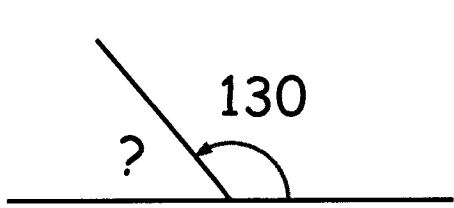
h =
reason



i =
reason

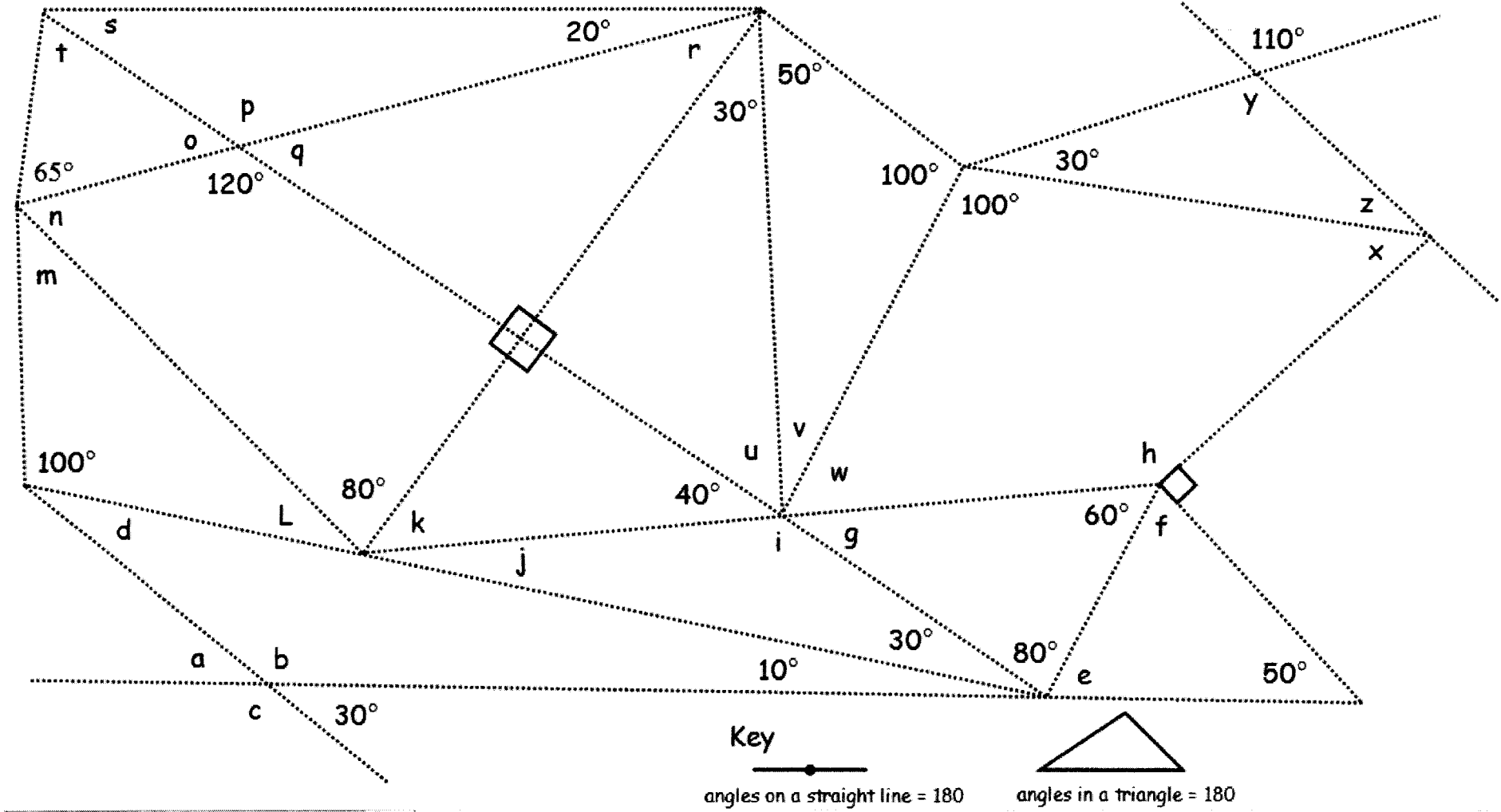
j =
reason

Calculate the missing angles

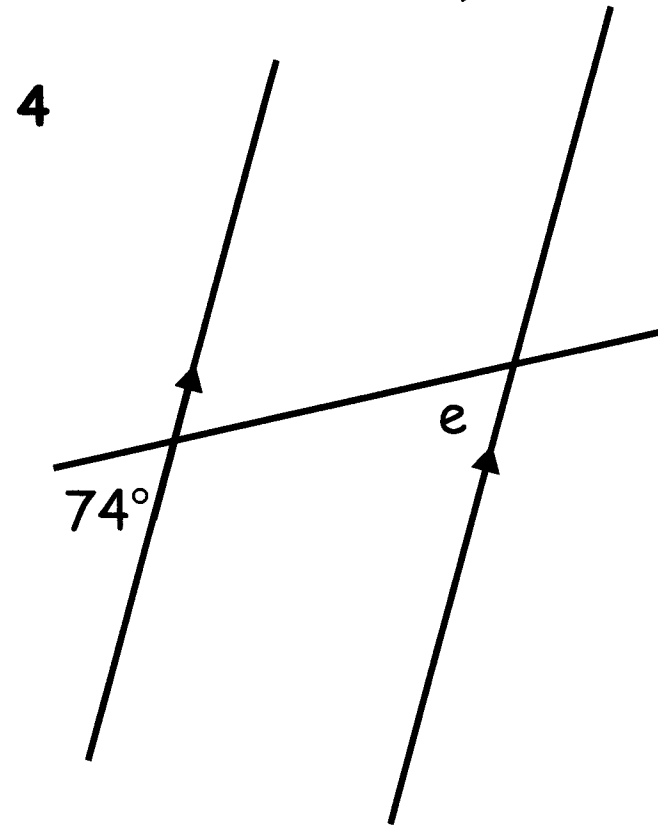
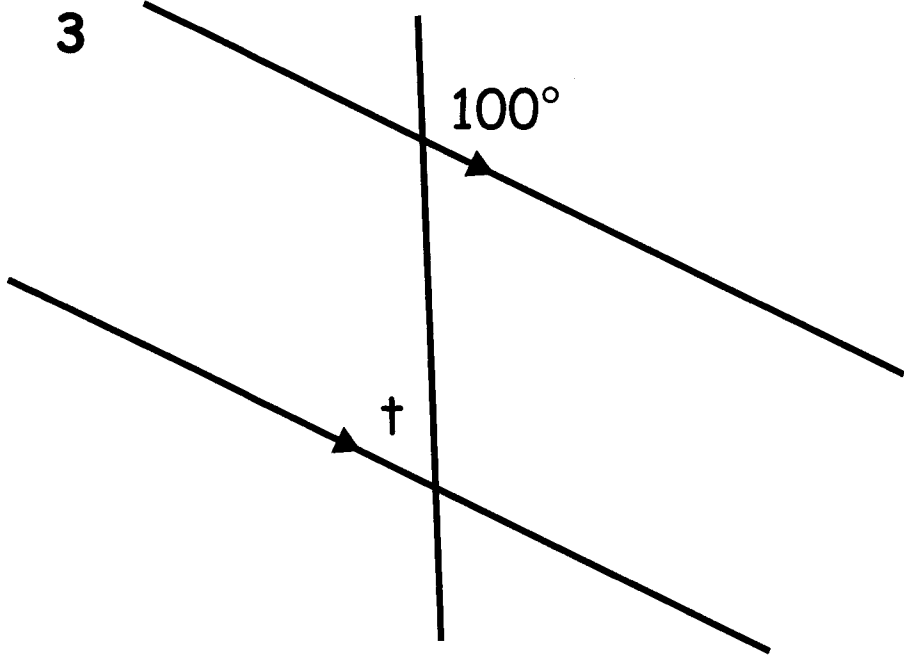
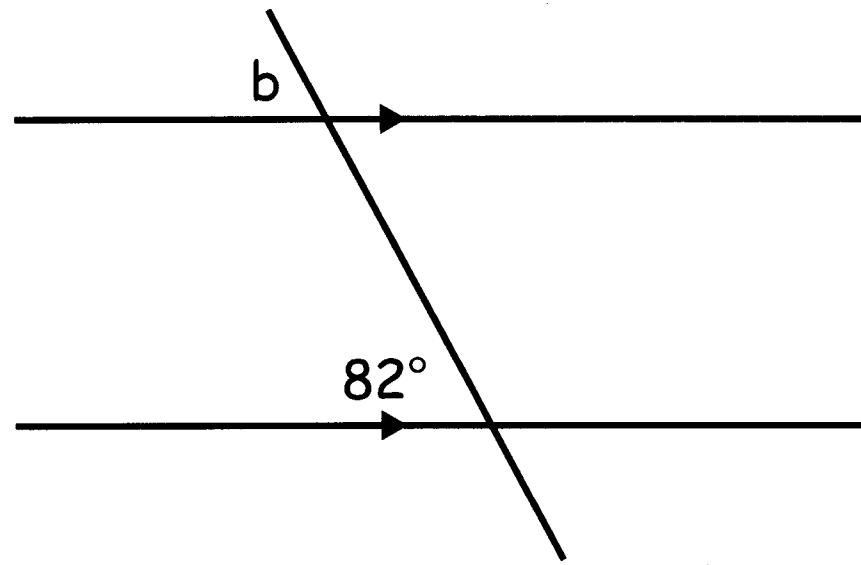
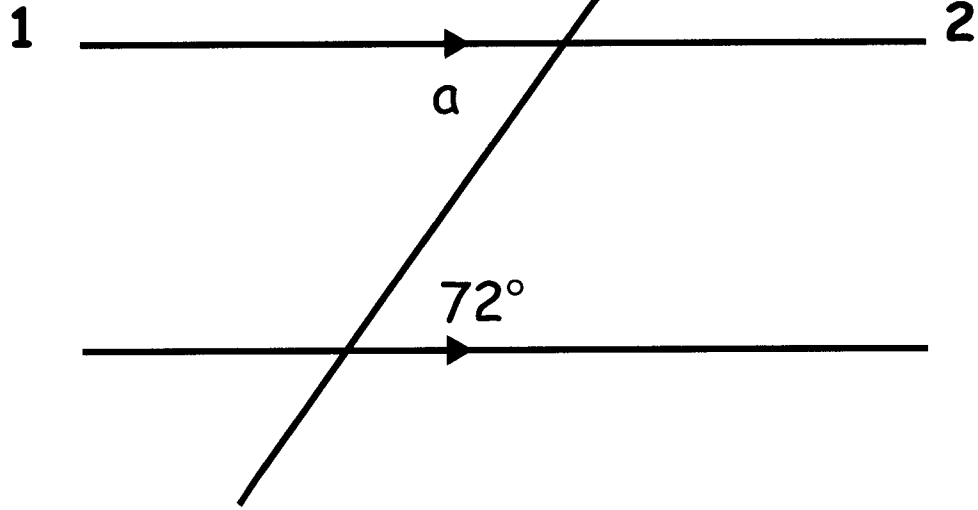


(7)

Calculate the angles a to z

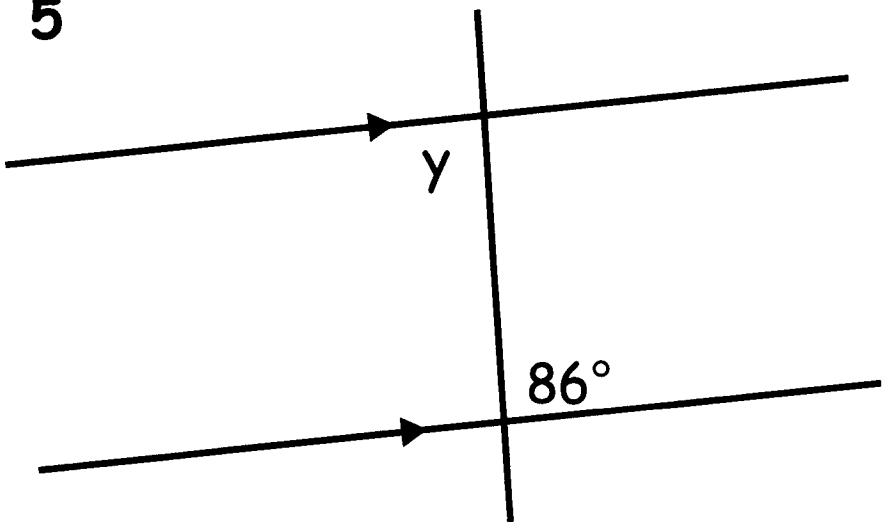


Find the missing angle giving a reason

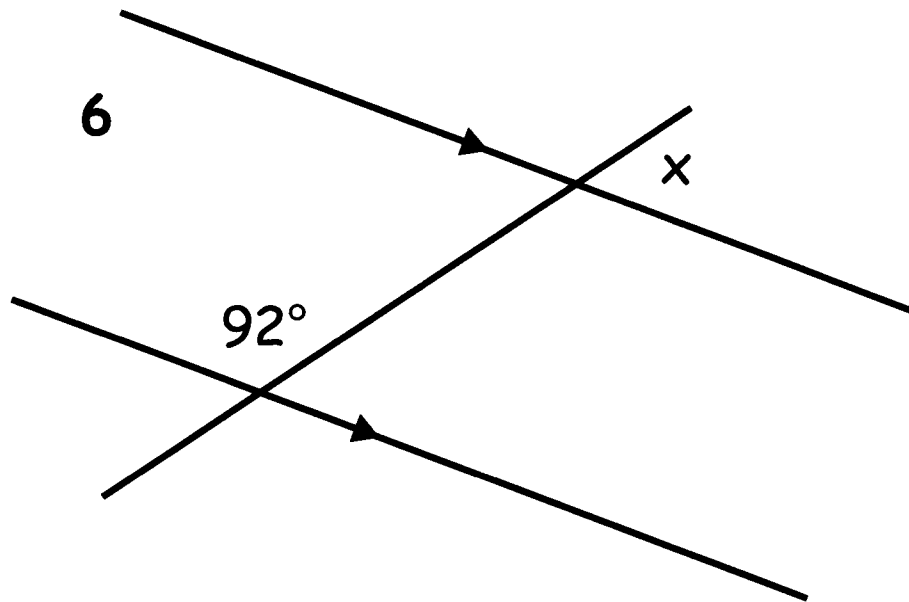


(9)

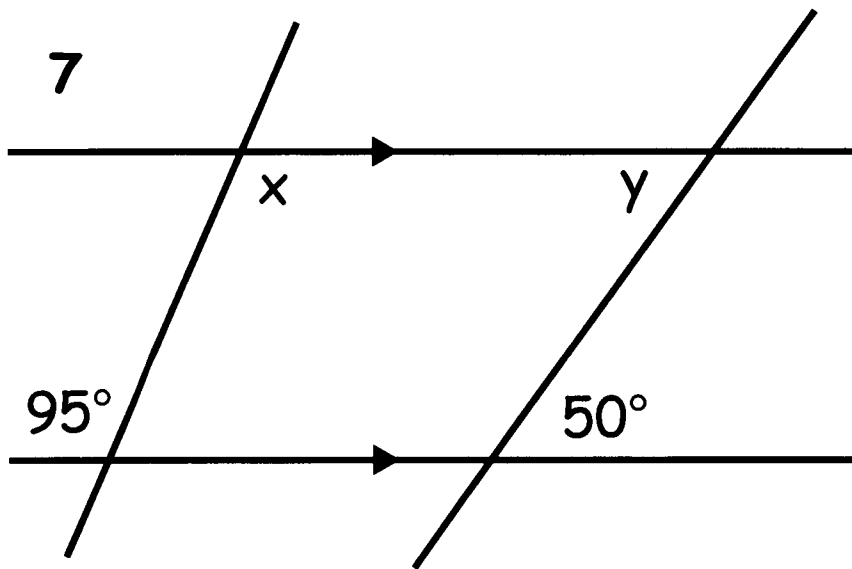
5



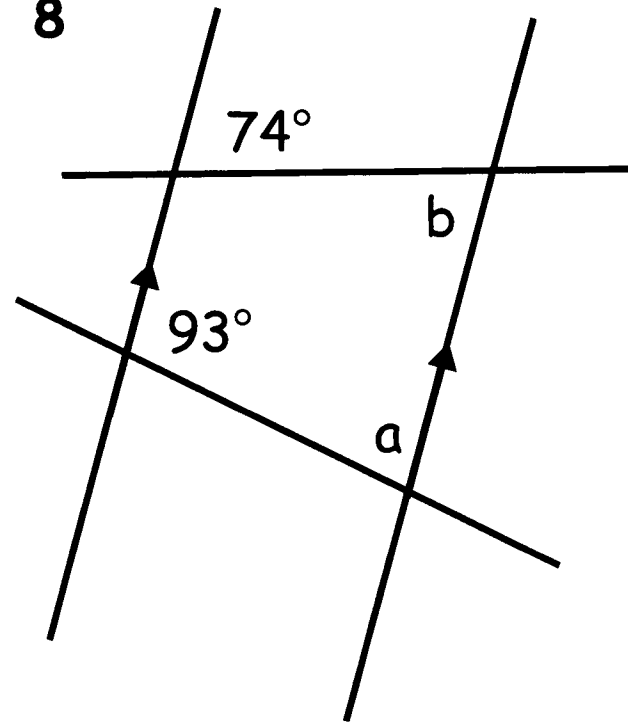
6



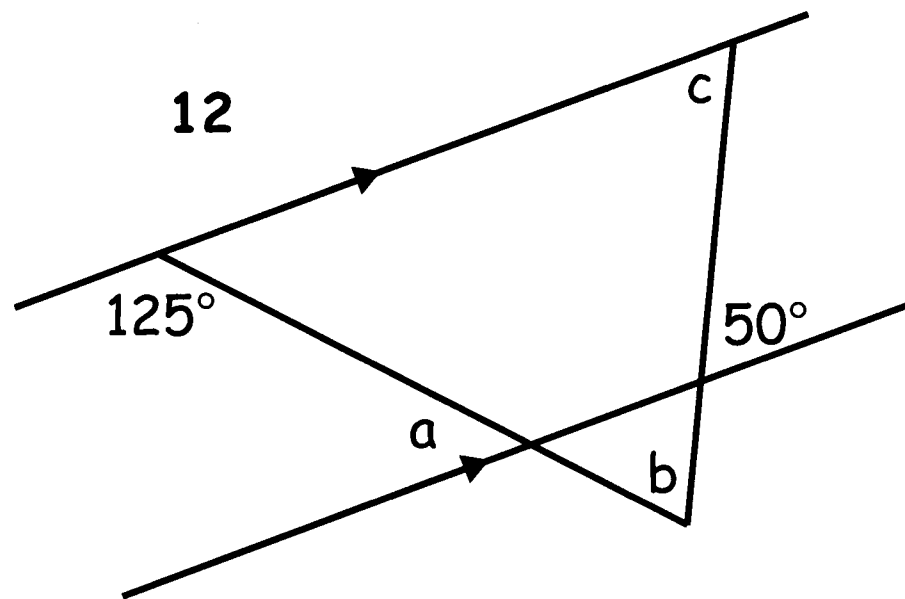
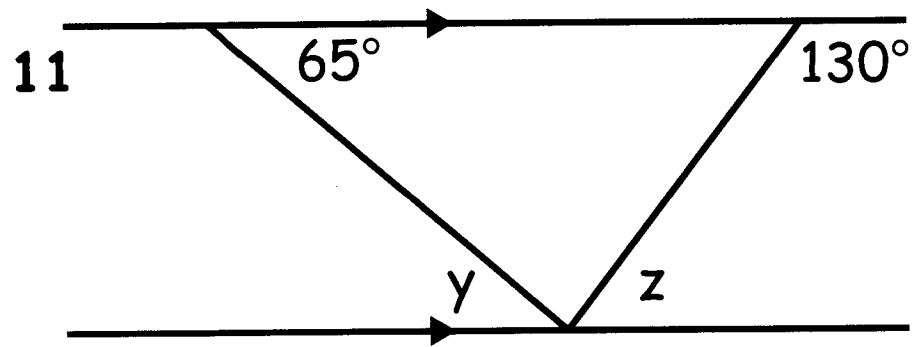
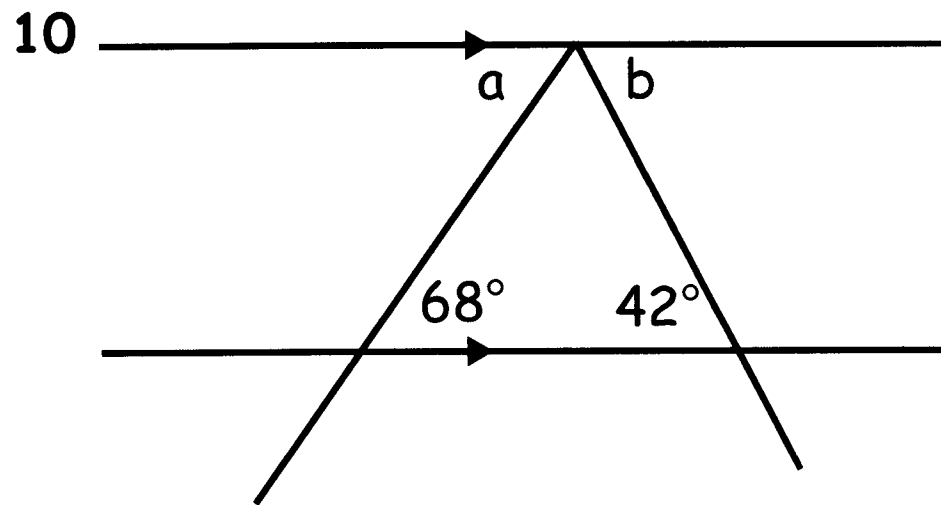
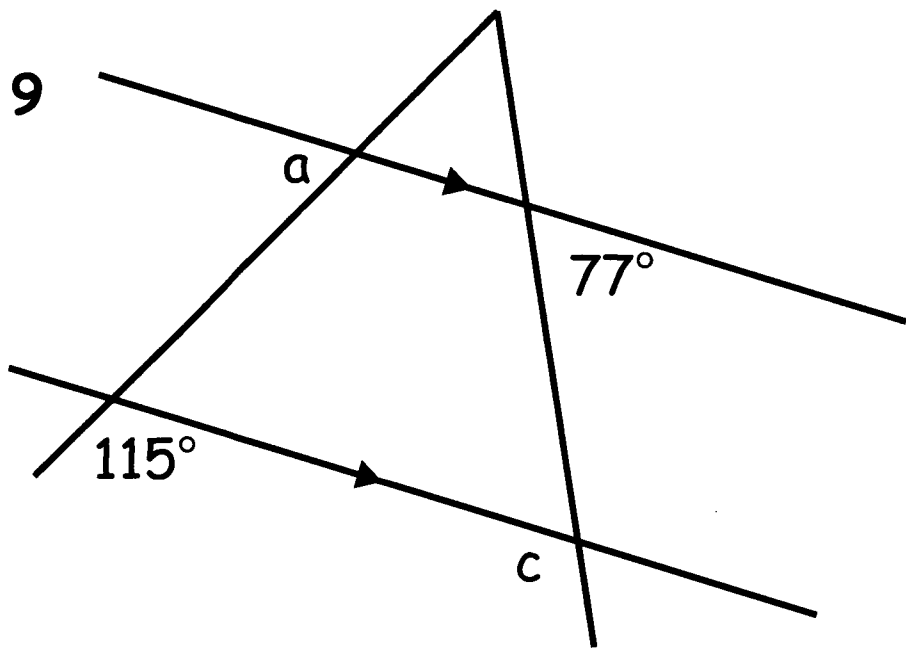
7



8



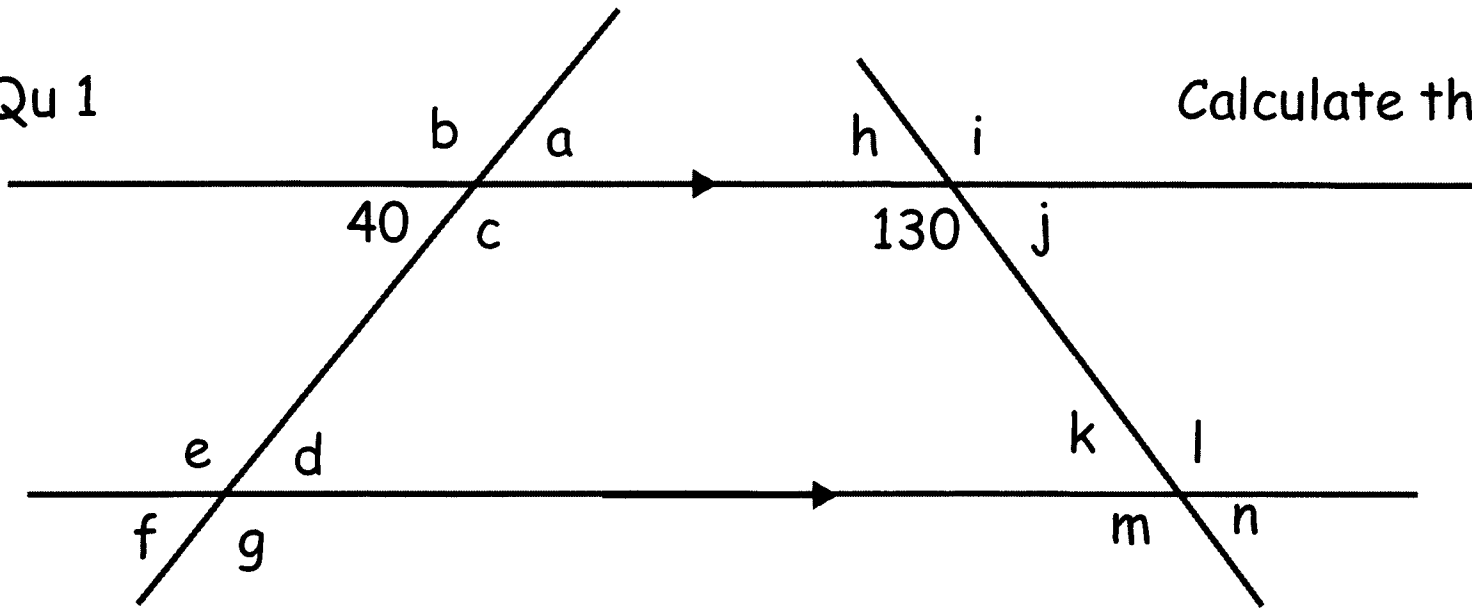
(10)



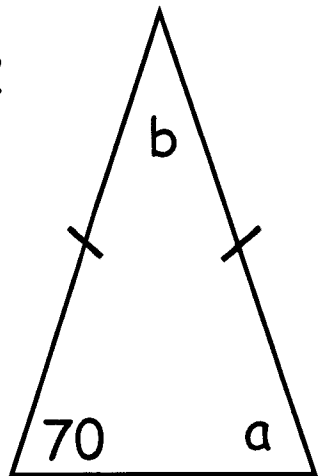
⑩

Qu 1

Calculate the missing angles



Qu 2



Qu 3

