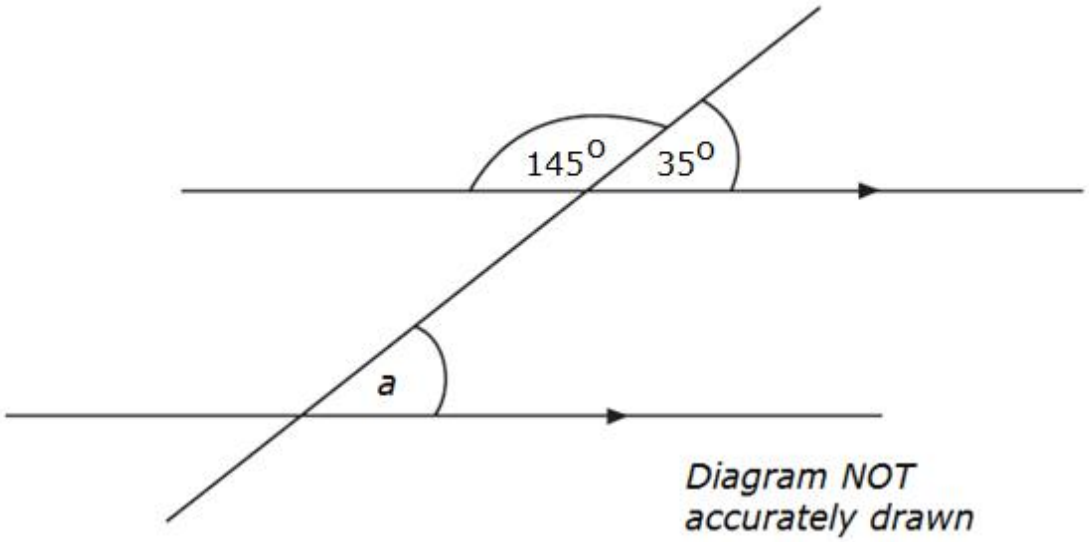
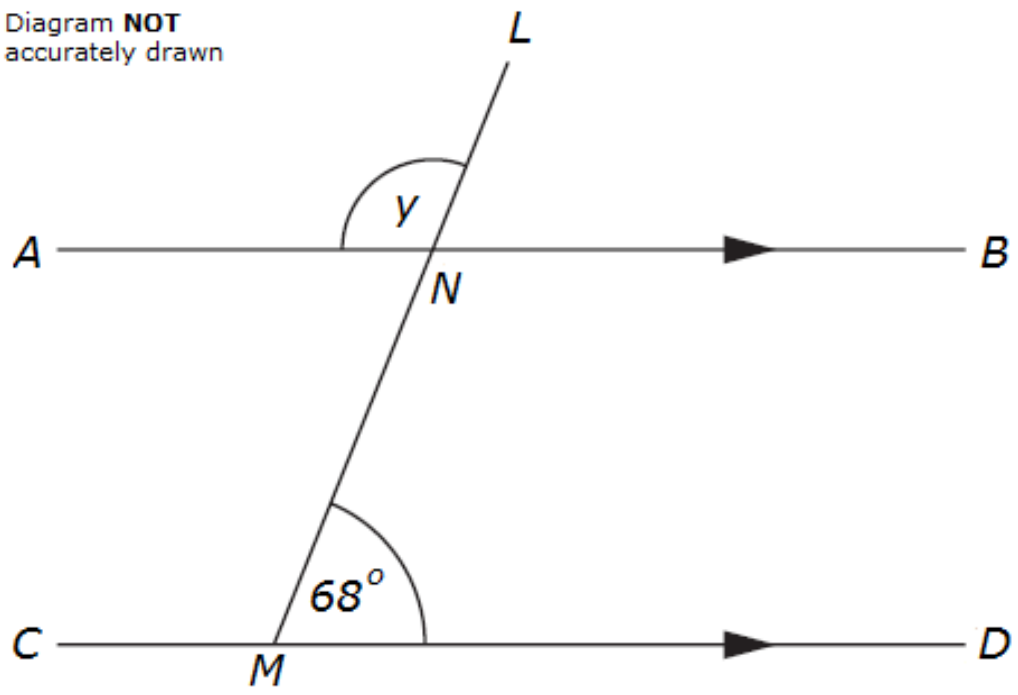


a) Write down the size of the angle marked *a*.

b) Give a reason for your answer.

(2)



ANB is parallel to *CMD.*

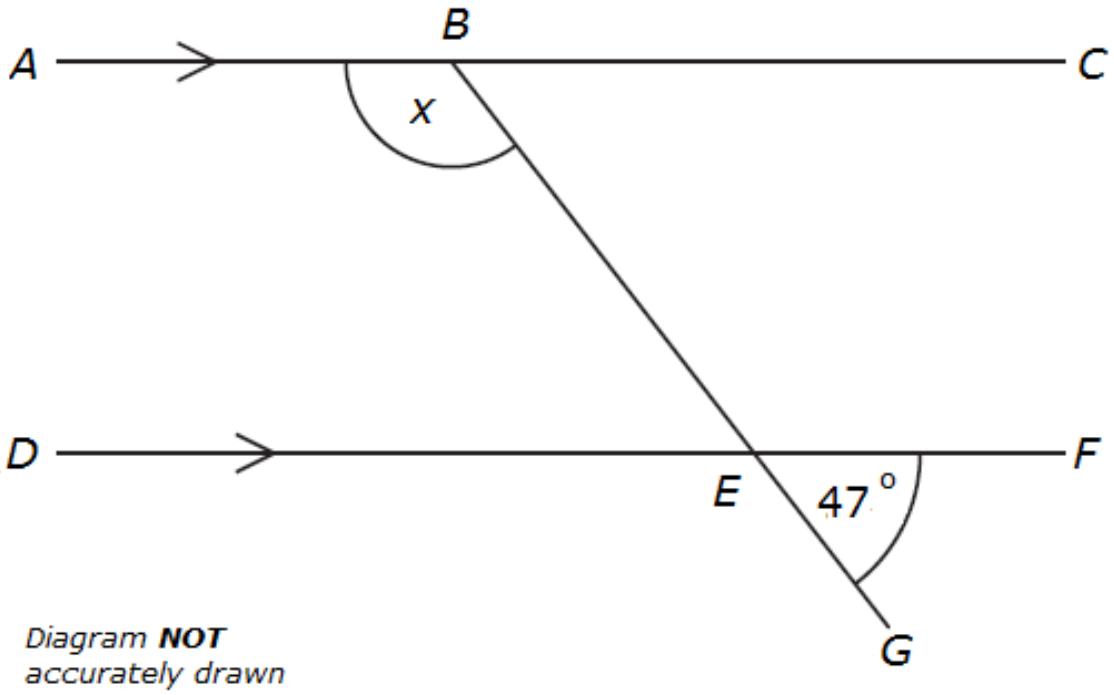
LNM is a straight line.

Angle *LMD* = 68°.

i) Work out the size of the angle marked *y.*

ii) Give reasons for your answer.

(3)



ABC and *DEF* are parallel lines.

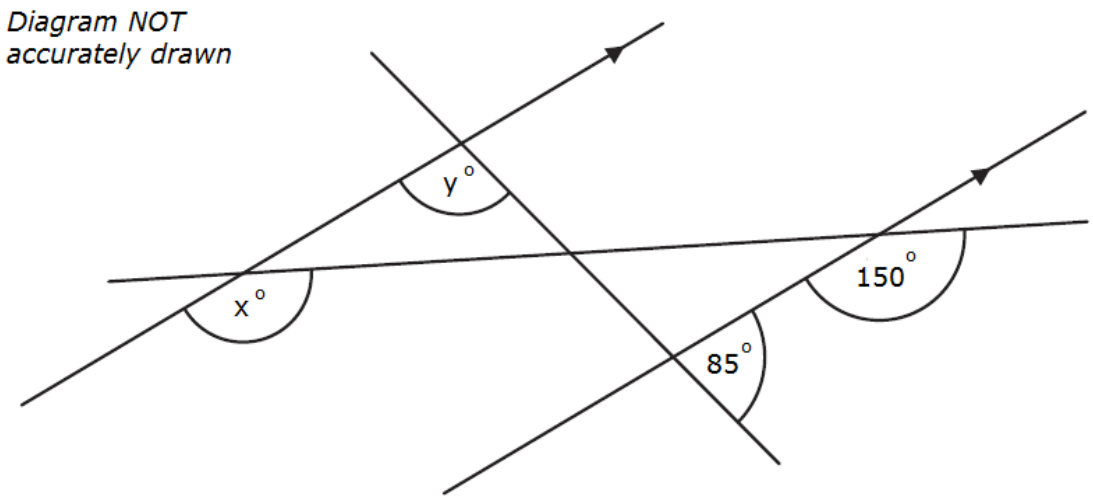
BEG is a straight line.

Angle *GEF* = 47°.

Work out the size of the angle marked x.

Give reasons for your answer.

(3)



a) Find the value of x.

(1)

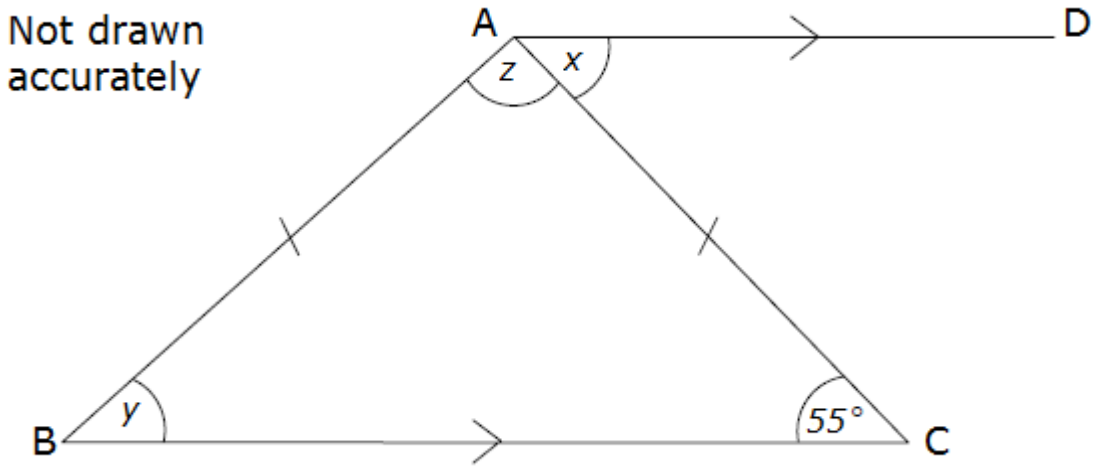
b) Find the value of y.

Give reasons for your answer.

(2)

ABC is an isosceles triangle with *AB* = *AC*.

BC is parallel to *AD* and angle *BCA* = 55°.



Work out the size of the angles marked *x*, *y* and *z*.

Answer x = ... degrees

y = ... degrees

z = ... degrees

(4)