1) A, B and C are midpoint of the sides of triangle OMN. Which theorem can be used to prove that the quadrilateral

ABCN is a parallelogram?

M

C

O

A

N

B

**A.** The sum of the measures of the angles in a triangle is always 180°.

**B.** The segment that joins the midpoints of two sides of triangle is parallel to the third side.

**C.** If two parallel lines are cut by a transversal, then the alternate interior angles are congruent.

**D.** The segment that joins the midpoints of two sides of a triangle is half as long as the third side.

2) Construct a mid-segment for the following triangle and label it MS.

A

B

C

3) Find the value of x.

x o

56o

37o

4) Draw a median for the following triangle. (Show all congruent segments using appropriate markings)

A

B

C