Grade 7 Lines and Angles
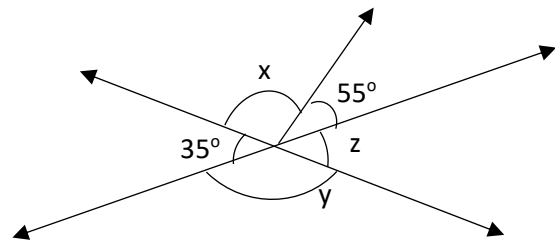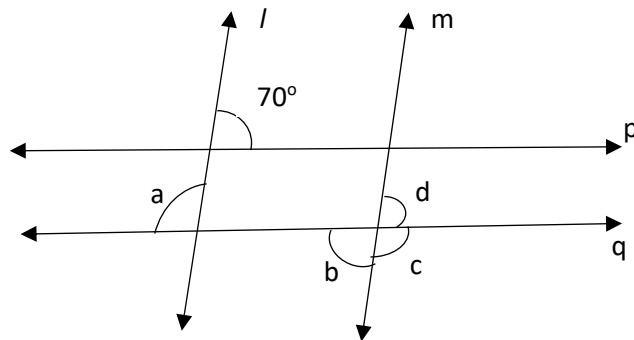
Q1) State True or False with reason

i)Can two obtuse angles be Supplementary?

ii)Can two right angles be Complementary?

iii)Can two acute angles be Supplementary?

iv)Can an acute angle be adjacent to obtuse angle?

v) Can two acute angles make Linear pair?

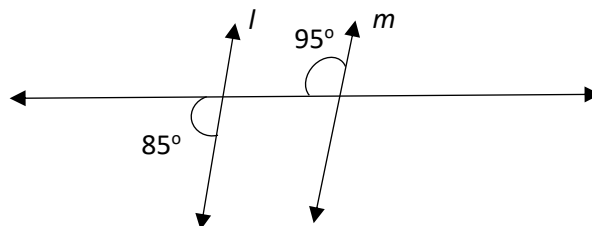Q2) Find x, y, and z

Q3) Find a, b, c and d

if l//m and *p//q*

Q4) Check whether l and m are parallel lines.

Answer Key

A1)

i) No, Sum of two angle which are greater than 90° is more than 180°.

ii)No, Sum of two right angles is 180° so they are supplementary.

iii) No, Sum of two angles which are less than 90° is less than 180°.

iv)Yes

v)No, Linear pair makes sum of 180°.

A2) $x=90^o$, $y=155^o$, $z=35^o$

A3) $a=110^o$, $c=110^o$, $b=d=70^o$

A4) Yes, they are parallel.