Al Moattasem International School

Jubail

Level 8 – Revision 4

Line and Angles Revision Work Sheet 1

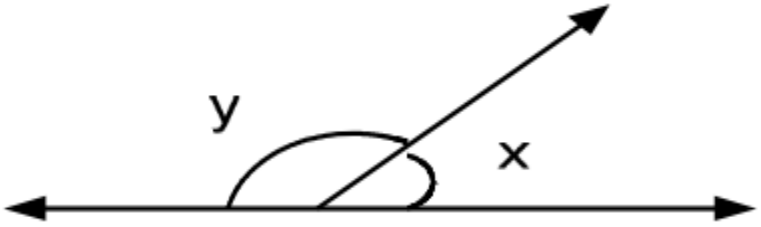
Chapter 4

Topic Line and Angles

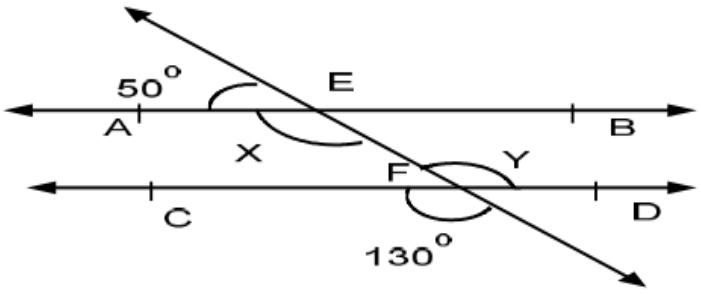
1. Measurement of reflex angle is

2. The sum of angle of a triangle is

3. In fig if $x = 30^\circ$ then y=



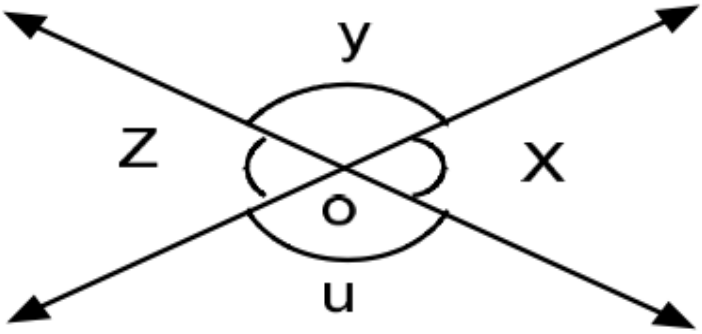
4) In figure find the value of x and y



then Show that ABIICD

5) Find z, y and u

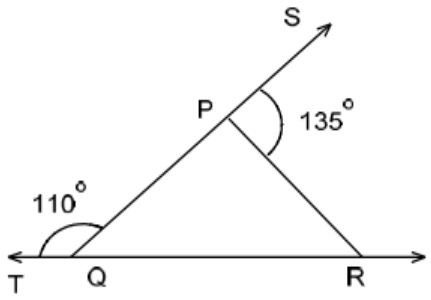
In fig lines P and R intersected at 0, if $x = 45^{\circ}$ find



6)

In fig. sides QP and RQ of ΔPQR are produced to points S and T respectively.

If $\angle SPR = 135^{o}$ and $\angle PQT = 110^{o}$, find $\angle PRQ$.



7)

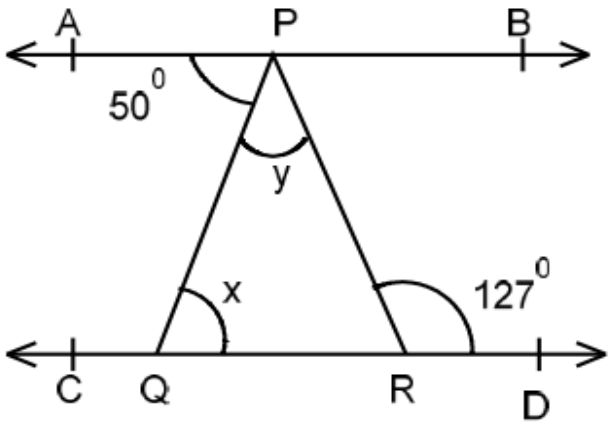
The exterior angle of a triangle is 110^{o} and one of the interior opposite angle is 35^{o}. Find the other two angles of the triangle.

8)

Of the three angles of a triangle, one is twice the smallest and another is three times the smallest. Find the angles.

9)

In figure if AB//CD, $\angle APQ = 50^0 \; and \angle PRD = 127^0 \; find \; x \; and \; y$.



10)

In figure two straight lines AB and CD intersect at a point O. It $\angle BOD = x^0 and \angle AOD = (45 - x)^0$. Find the value of x hence find

(a) $\angle BOD$ (b) $\angle AOD$

(c) $\angle AOC$ (d) $\angle BOC$