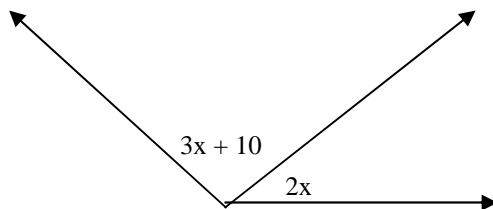
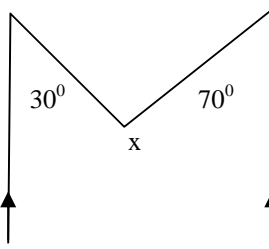


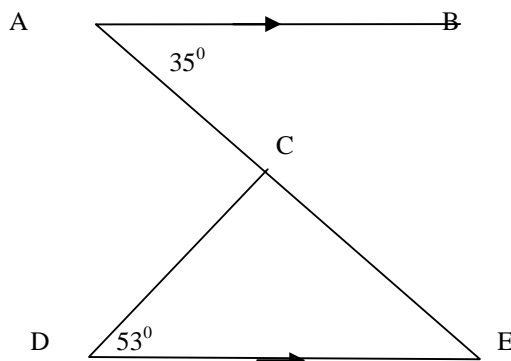
1. An angle is  $14^\circ$  more than its complementary angle. What is its measure?
2. If the supplement of an angle is three times its complement, find the angle.
3. What value of  $x$  will make POQ a line?



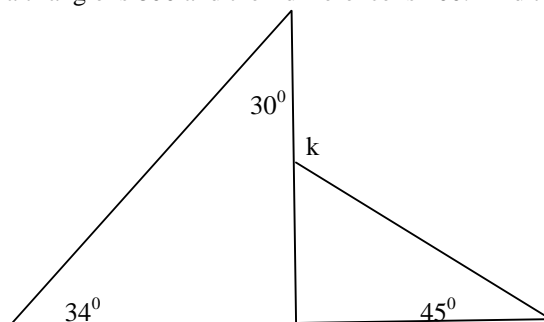
4. In the given figure,  $AB \parallel ED$  and  $\angle ABC = 30^\circ$ ,  $\angle EDC = 70^\circ$ . Find the value of  $x$ .



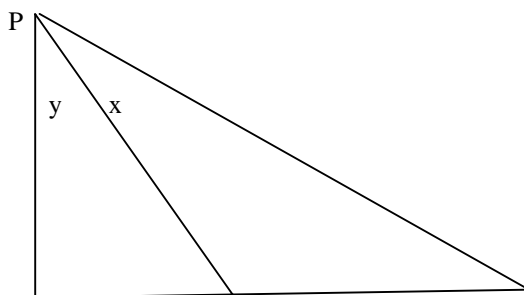
5. In the given figure  $AB \parallel DE$ ,  $\angle BAC = 35^\circ$  and  $\angle CDE = 53^\circ$ , find  $\angle DCE$ .

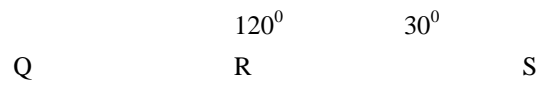


6. If the angles of a triangle are in the ratio 3:7:10, what kind of a triangle is it?
7. The sum of two angles of a triangle is 800 and their difference is 200. Find the angles of the triangle. Find the value of  $k$ .



8. Find the value of  $x$  and  $y$  and find the relation between them.





9. Three friends walk away from a point in three different directions such that the path of each is equally inclined to those of the other two. Find the angles their paths make with one another.