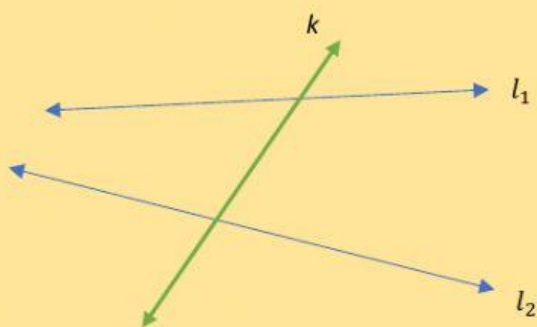
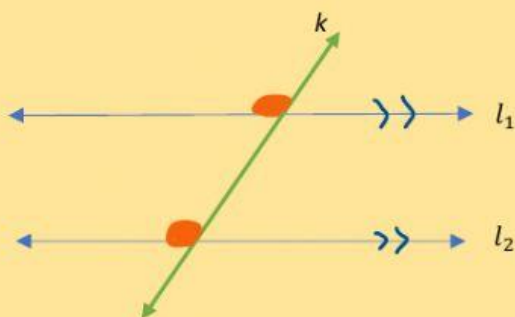


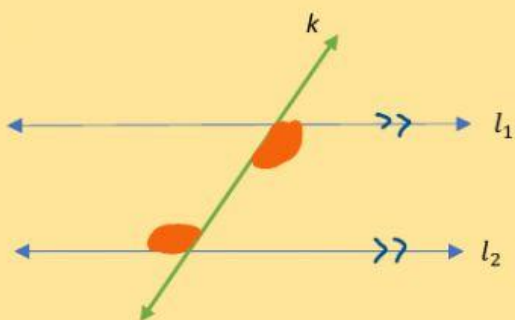
## CORRESPONDING AND ALTERNATE ANGLES



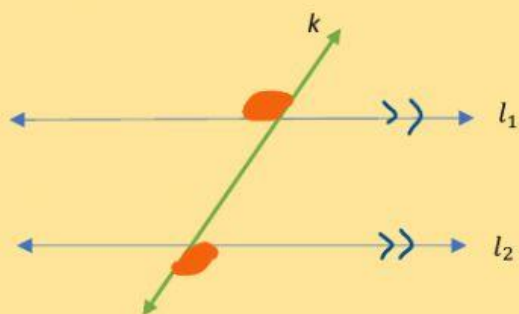
- Here there are two lines  $l_1$  and  $l_2$ .
- A third straight line " $k$ " crosses them. This is called a **transversal**.



- In this case,  $l_1$  and  $l_2$  are parallel to each other.
- The angles that are facing towards the **same direction** are called **corresponding angles**.
- Corresponding angles are in the same size.



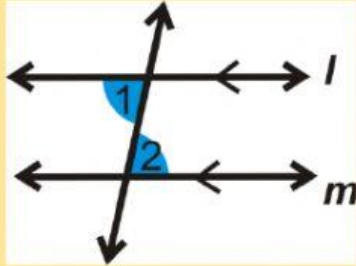
- The angles that are facing towards the **opposite direction** and **between the parallel lines** are called **alternate interior angles**.
- Alternate interior angles are in the same size.



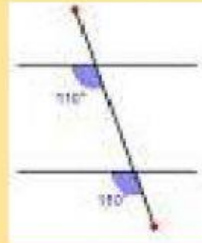
- The angles that are facing towards the **opposite direction** and **outside of the parallel lines** are called **alternate exterior angles**.
- Alternate exterior angles are in the same size.

## EXAMPLES

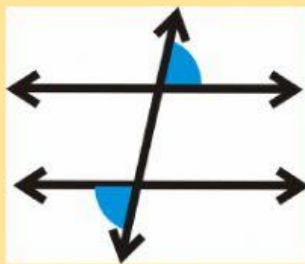
1) Choose the correct option.



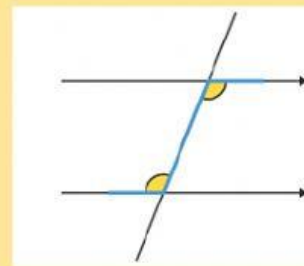
- A. Corresponding Angles
- B. Alternate Interior Angles
- C. Alternate Exterior Angles



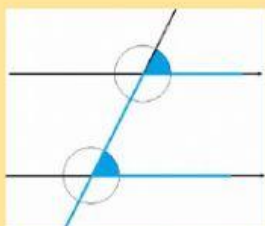
- A. Corresponding Angles
- B. Alternate Interior Angles
- C. Alternate Exterior Angles



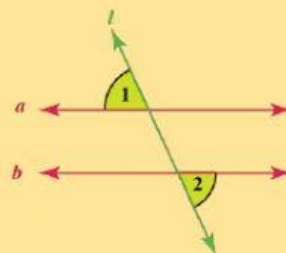
- A. Corresponding Angles
- B. Alternate Interior Angles
- C. Alternate Exterior Angles



- A. Corresponding Angles
- B. Alternate Interior Angles
- C. Alternate Exterior Angles

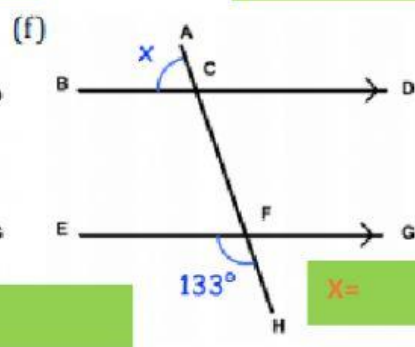
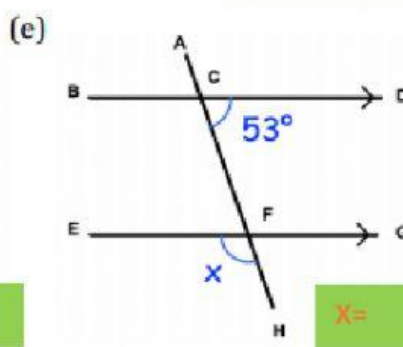
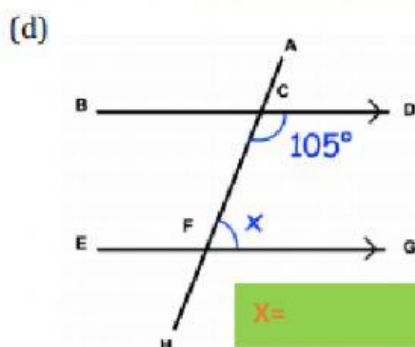
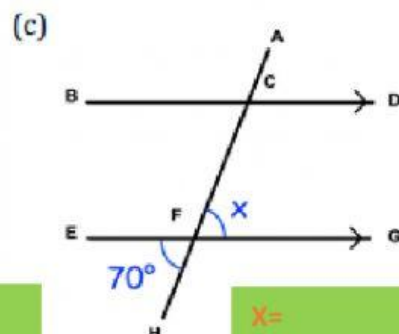
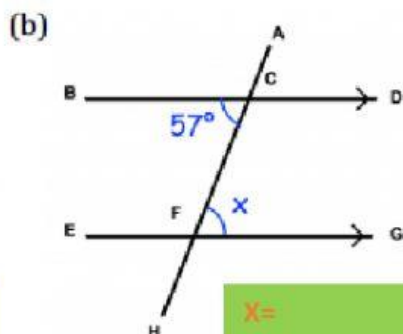
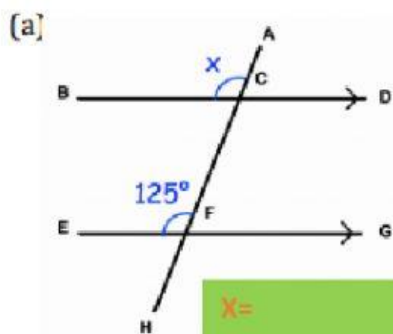


- A. Corresponding Angles
- B. Alternate Interior Angles
- C. Alternate Exterior Angles



- A. Corresponding Angles
- B. Alternate Interior Angles
- C. Alternate Exterior Angles

## 2) Find angle x for each option.



## 3) Find the asked angles.

