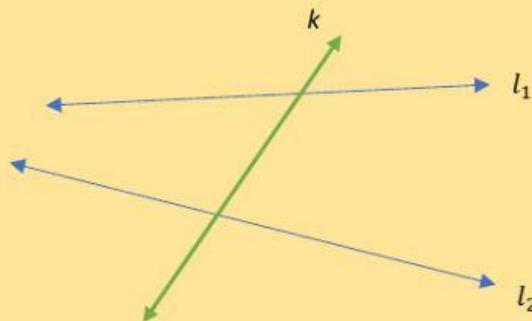
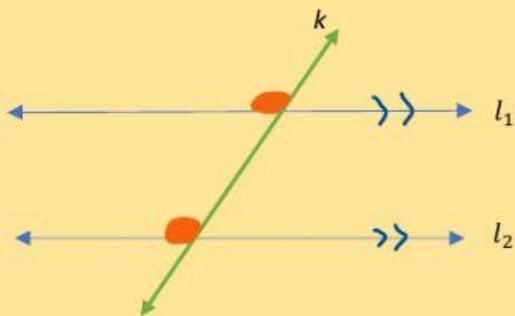


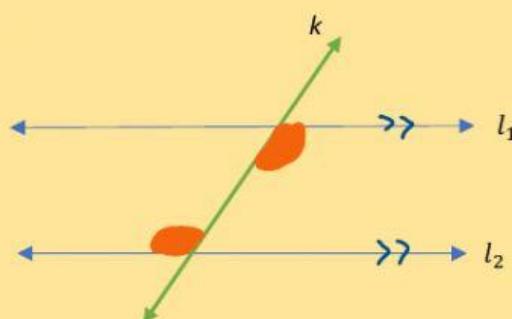
CORRESPONDING AND ALTERNATE ANGLES



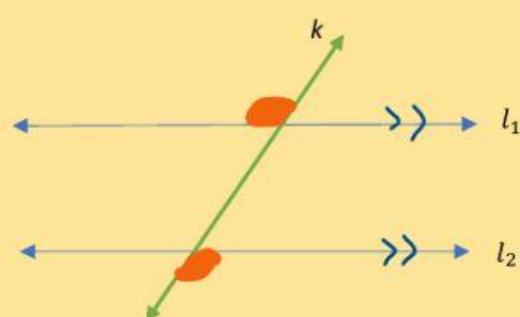
- Here there are two lines l_1 and l_2 .
- A third straight line "k" crosses them. This is called a **transversal**.



- 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.



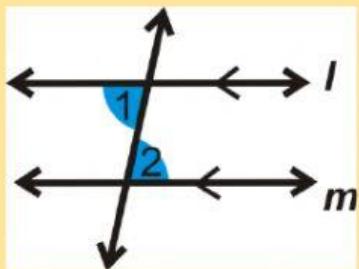
- The angles that are facing towards the **opposite direction and between the parallel lines** are called **alternate interior angles**.
- Alternate interior angles are in the same size.



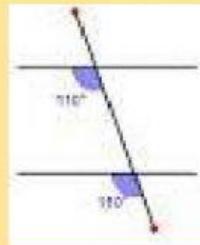
- The angles that are facing towards the **opposite direction and outside of the parallel lines** are called **alternate exterior angles**.
- Alternate exterior angles are in the same size.

EXAMPLES

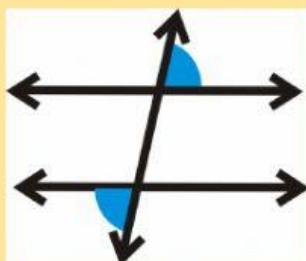
1) Choose the correct option.



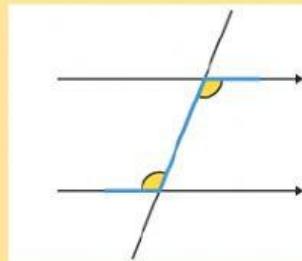
- A. Corresponding Angles
- B. Alternate Interior Angles
- C. Alternate Exterior Angles



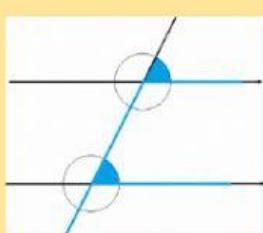
- A. Corresponding Angles
- B. Alternate Interior Angles
- C. Alternate Exterior Angles



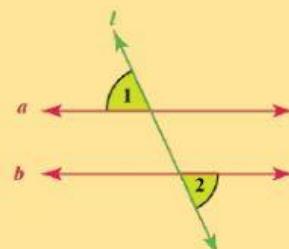
- A. Corresponding Angles
- B. Alternate Interior Angles
- C. Alternate Exterior Angles



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



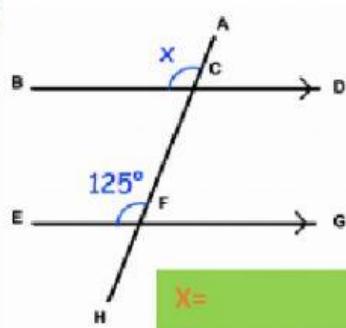
- A. Corresponding Angles
- B. Alternate Interior Angles
- C. Alternate Exterior Angles



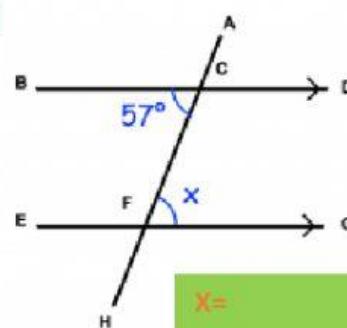
- A. Corresponding Angles
- B. Alternate Interior Angles
- C. Alternate Exterior Angles

2) Find angle x for each option.

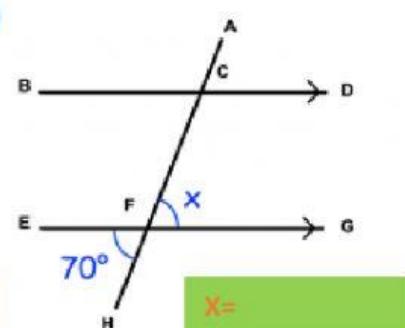
(a)



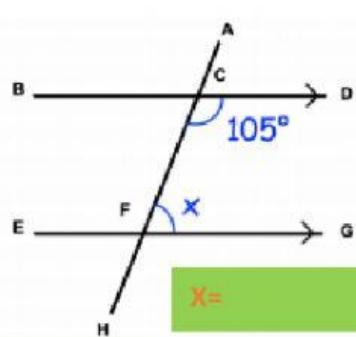
(b)



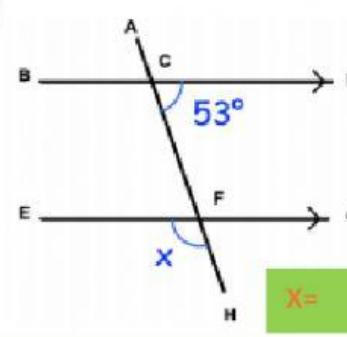
(c)



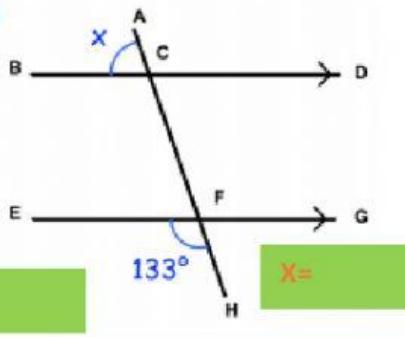
(d)



(e)

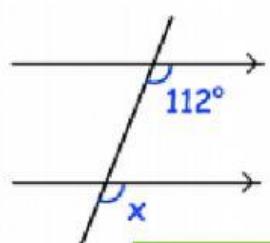


(f)



3) Find the asked angles.

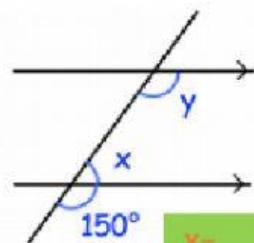
(a)



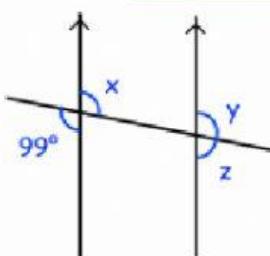
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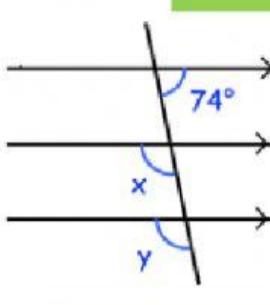
(c)



(d)



(e)



(f)

