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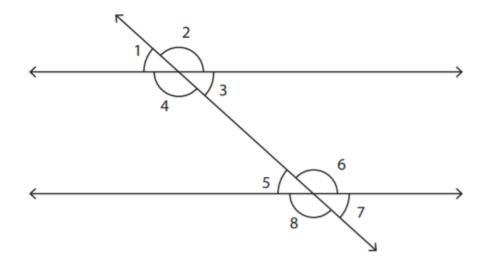
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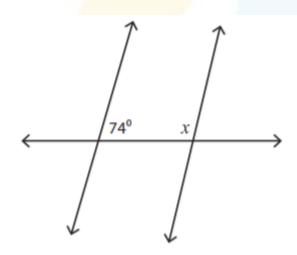
# **Angles Formed By Transversals Worksheets**

 $\mathbf{W}$  rite the angle relationship for angle pairs in questions 1 and 2?



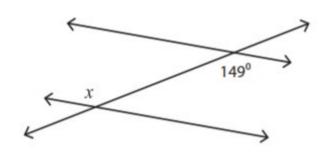
- 1) $\angle$ 2 and  $\angle$ 8 are
- 2)  $\angle$ 3 and  $\angle$ 7 are \_\_\_\_

Find the value of x in questions 3-6 3)

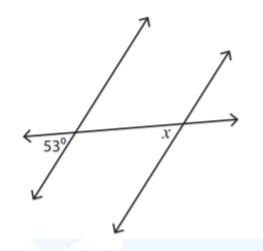




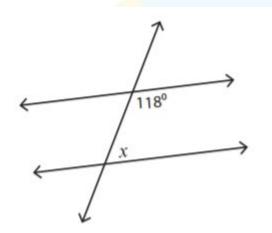
4)



5)



6)

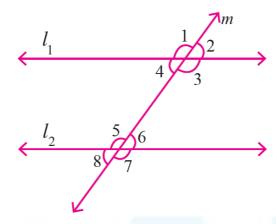


7) True or False

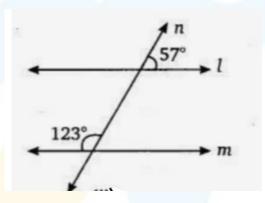
 $\mathbf{T}\text{wo}$  lines parallel to the same line are parallel to each other.



- 8) \_\_\_\_ angles are 2 or more angles whose sum is  $180^{\circ}$
- 9) In the given figure, lines  $I_1$  and  $I_2$  are parallel and line m passes through them. List two pairs of alternate interior angles.



10) Check whether the given lines are parallel or not.





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"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect.

She is extremely patient and generous with Miranda."

- Gary Schwartz

- Kirk Riley

- Barbara Cabrera

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# **ANSWERS**



1)	Alternate exterior angles
2)	Corresponding angles
3)	106
4)	149
5)	53
6)	62
7)	True
8)	Supplementary
9)	3 and 5 4 and 6
10)	They are parallel



## **FUN FACT**

- 1) Parallel lines can be defined as two lines in the same plane that are at equal distance from each other and never meet.
- 2) Each line can have many parallel lines to it.
- 3) Parallel lines can be extended indefinitely, without them intersecting at any point.

