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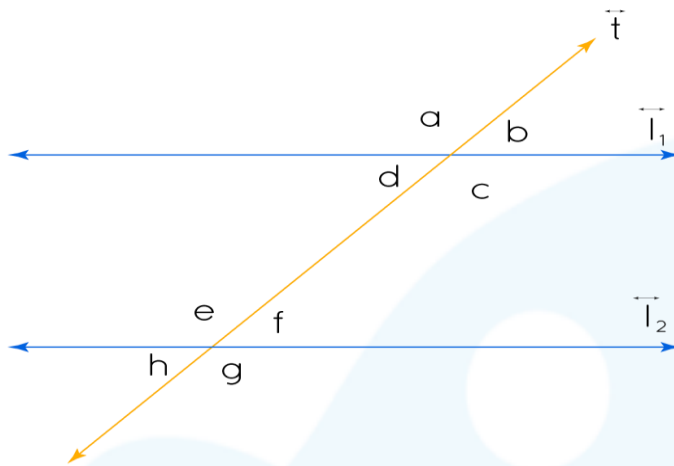
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## Finding Missing Angles Worksheets 7th Grade

Line  $l_1$  and  $l_2$  are parallel lines cut by a transversal  $t$ . Write the angle relationship for each pair of angles.



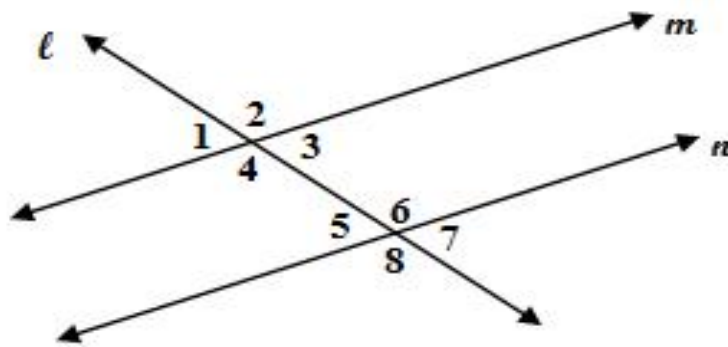
1.  $\angle b$  and  $\angle g$  are \_\_\_\_\_.
2.  $\angle e$  and  $\angle c$  are \_\_\_\_\_.
3.  $\angle b$  and  $\angle f$  are \_\_\_\_\_.
4.  $\angle h$  and  $\angle b$  are \_\_\_\_\_.
5. True or False

If two parallel lines are intersected by a transversal, then the interior angles on the same side of the transversal are supplementary

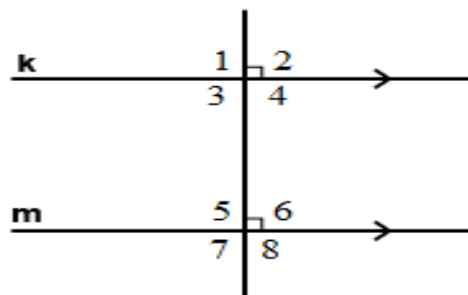
6. The pair of angles have the sum to  $90^\circ$  is called.

- Vertically opposite angles
- supplementary angles
- complementary angles
- adjacent angles

7. In the given figure, line  $m \parallel n$ . List any two pairs of equal angles.



8. The relationship between  $\angle 1$  and  $\angle 8$ ?



9. Angles P and angle Q are vertically opposite angles. If angle P =  $3X - 5$  degrees and angle Q =  $2X + 30$  degrees, what is the value of X?

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**ANSWERS**

1)	exterior angles
2)	Alternate interior angles
3)	corresponding angles
4)	Alternate exterior angles
5)	True
6)	c.complementary angles
7)	$\angle 2$ and $\angle 4$ , also $\angle 6$ and $\angle 8$
8)	Alternate exterior angles
9)	$x = 35$