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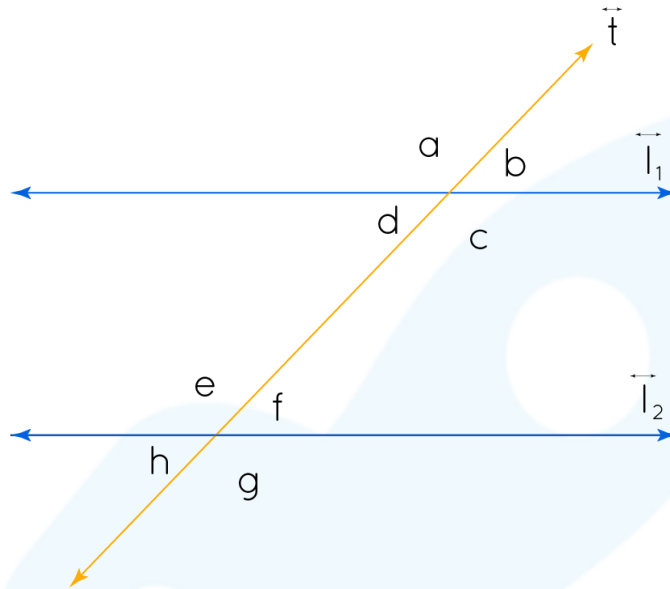
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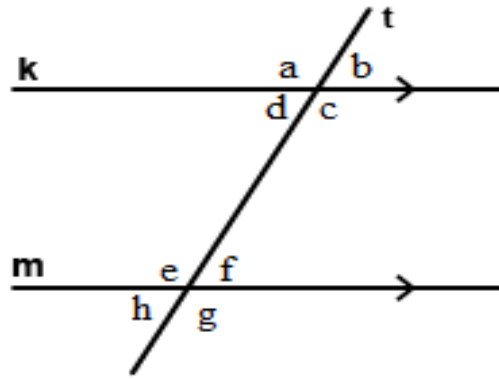
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Finding Missing Angles Worksheets 7th Grade

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



1. $\angle e$ and $\angle c$ are ____.
2. $\angle b$ and $\angle h$ are ____.
3. $\angle a$ and $\angle e$ are ____.
4. $\angle h$ and $\angle f$ are ____.
5. True or False
If two parallel lines are cut by a transversal, then the pair of alternate interior angles are not equal.
6. Match the following angle relationship next to each pair of angles.



p. a and e

q. d and f

r. h and b

s. c and f

t. h and g

a. alternate interior

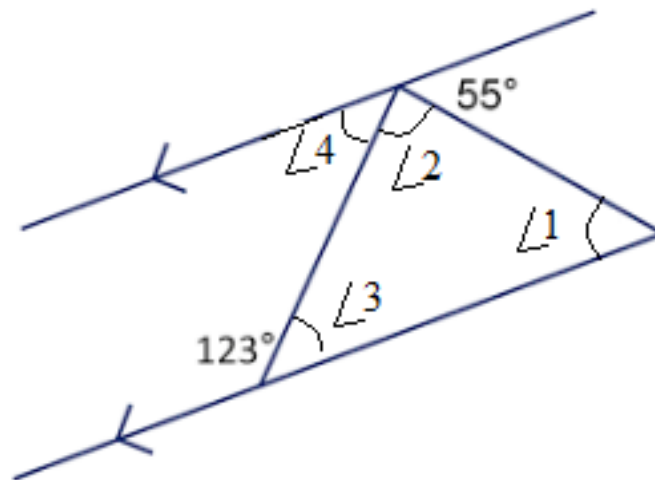
b. corresponding

c. linear pair

d. alternate exterior

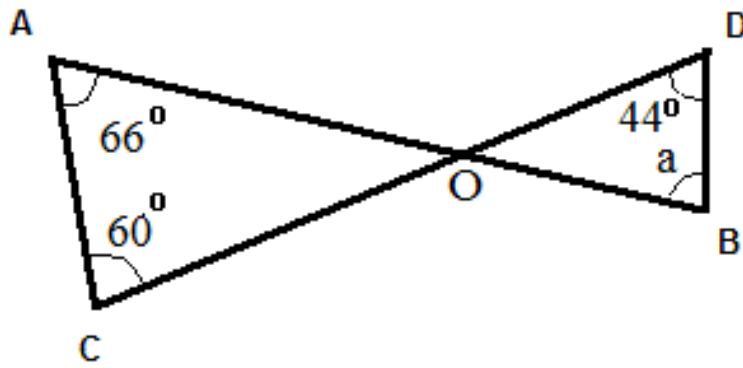
e. same-side interior

7. Find the measure of the angles 1, 2, 3, and 4.



8. Angle K and angle L are alternate interior angles. If angle $K = X + 2$ degrees and angle $L = 2X - 30$ degrees, what is the value of X?

9. Find the value of 'a' in a given figure.



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- Kirk Riley

"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."

- Barbara Cabrera

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**ANSWERS**

1)	Alternate interior angles
2)	Alternate Exterior Angles
3)	corresponding angles
4)	congruent angles
5)	False
6)	p-b, q-a, r-d, s-e, t-c
7)	$\angle 1 = 55^\circ$, $\angle 2 = 68^\circ$, $\angle 3 = 57^\circ$ and $\angle 4 = 57^\circ$
8)	$x = 32$
9)	$a = 82$