Math Practice - Grade 8

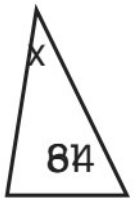
M9 Angles, triangles, transversals

M9 8.G.A.5

Name: _____ Date: _____

Find the missing angles in a triangle. Find an exterior angle. Find angles formed by two parallel lines cut by a transversal. Tell whether two triangles are similar by angle angle.

1 **Find the missing angle x in the triangle.**



x = ☐

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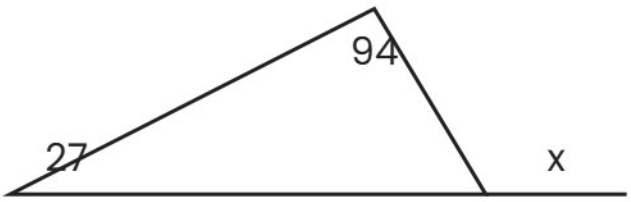
2 **Find the exterior angle x of the triangle.**



x = ☐

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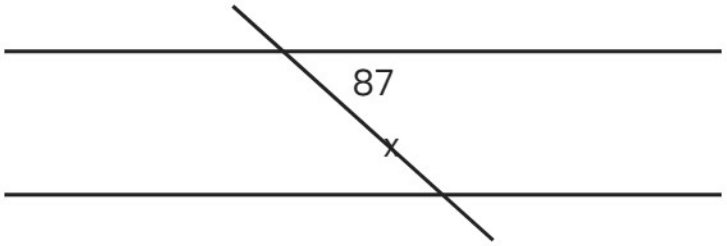
3 **Two parallel lines are cut by a transversal. One angle is 87 degrees. Find the alternate interior angle marked x.**



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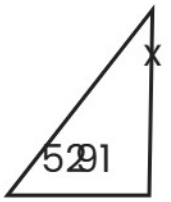

x = ☐

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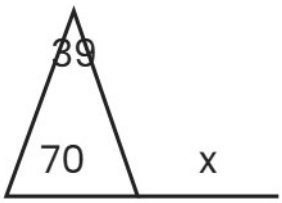
2 **Find the exterior angle x of the triangle.**



x = ☐

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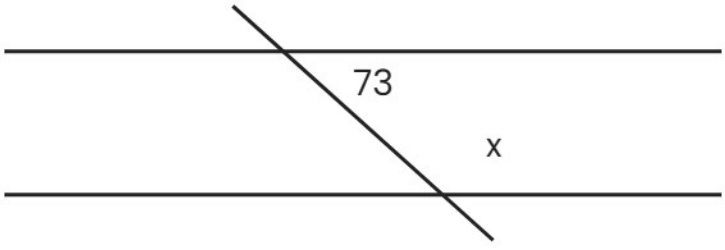
3 **Two parallel lines are cut by a transversal. One angle is 73 degrees. Find the same-side interior angle marked x.**



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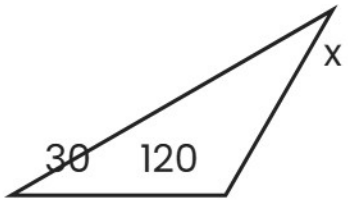

x = ☐

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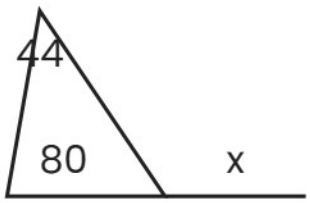
2 **Find the exterior angle x of the triangle.**



x = ☐

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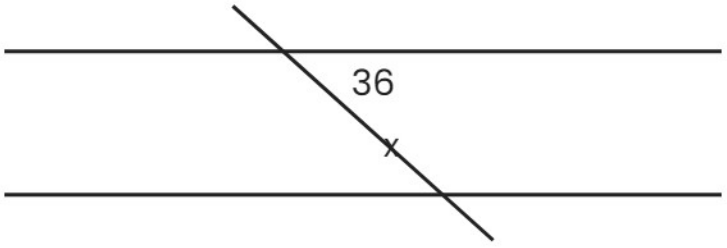
3 **Two parallel lines are cut by a transversal. One angle is 36 degrees. Find the alternate interior angle marked x.**



x = ☐