**How can I find the sums of interior & exterior angles?**

Glue

Here

MCC8.G.5 Use informal arguments to establish facts about the angle sum and exterior angle of triangles.



Interior=

Exterior=

Regular =

1. The sum of the ***interior*** angles of a triangle is .
2. The sum of the ***exterior*** angles of ALL polygons is .

*Find the measure of the missing angle.*

34°

x°

73°

*Find the measure of the* ***exterior*** *angle.*

x°

a°

40°

79°

*The* ***interior*** *angles of a triangle measure 5x + 8 degrees, 9x + 2 degrees, and 15x – 4 degrees. What is the value of x? What are the measures of the angles of the triangle?*

*The measure of an* ***interior*** *angle of a triangle is 4n + 5 degrees. The measure of the corresponding exterior angle is 15n + 4 degrees. What is the value of n?*