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| Section 3.3B  Exterior Angles of Triangles | Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_ |
| Essential Question | How can I use the exterior angles of triangles to find missing angle measures? |
| Exterior Angle of a Triangle | An angle formed by a side and an extension of an adjacent side. |
| Remote Interior Angles of a Triangle | The two nonadjacent interior angles. |
| Triangle Exterior Angle Theorem | The measure of each exterior angle of a triangle equals the sum of the measures of its two remote interior angles.  Example #1: Find m < 1.  Example #2: Find m < 3. |
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