

Finding Missing Interior and Exterior Angles of Triangles #2

Find the measure of each angle represented by the variable. Make sure to include the degree symbol in your answer.

1. $m\angle A = \underline{\hspace{2cm}}$

A triangle with interior angles 111° and 42° . The third angle is labeled A .

2. $m\angle C = \underline{\hspace{2cm}}$

A triangle with interior angles 50° and 76° . The exterior angle at the third vertex is labeled C .

3. $m\angle X = \underline{\hspace{2cm}}$

A triangle with interior angles 84.5° and 44.1° . The exterior angle at the top vertex is labeled X .

4. $m\angle B = \underline{\hspace{2cm}}$

An inverted triangle with interior angles 68.3° and 34.6° . The exterior angle at the top vertex is labeled B .

5. $m\angle N = \underline{\hspace{2cm}}$

A right-angled triangle with one acute angle 38.1° . The other acute angle is labeled N .

6. $m\angle Z = \underline{\hspace{2cm}}$

A right-angled triangle with one acute angle 42.6° . The exterior angle at the right-angle vertex is labeled Z .