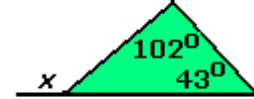


## 11.1 Key Concepts 2 Exterior and Interior Angles of a Triangle Worked Example

**Example:** Find the measure of angle  $x$ .

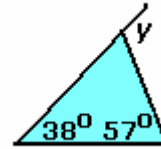
**Solution:** The exterior angle of a triangle equals the sum of the two opposite interior angles.

$$\begin{aligned}\angle x &= 102^\circ + 43^\circ \\ &= 145^\circ\end{aligned}$$

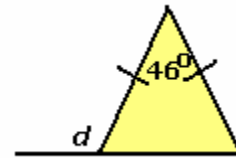


**Practice:**

1. Find the measure of angle  $y$ .



2. Find the measure of angle  $d$ .



Answers: 1.  $95^\circ$ , 2.  $113^\circ$