

Chapter 3 - Triangle Properties

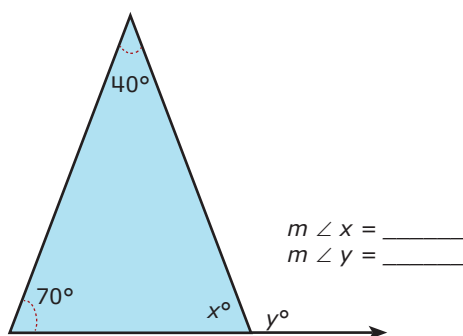
Sum of Angle Measures

In any triangle, the sum of the **angle measures** is 180° as you learned in the previous chapter.

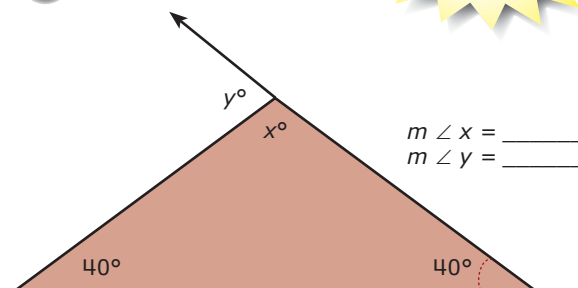
Find the **measure** of the missing x angle in these triangles. Try to discover how the exterior y angle is related to two of the interior angles of the triangle. Write your answers in each drawing.

Reminder
Figures are **not**
to scale.

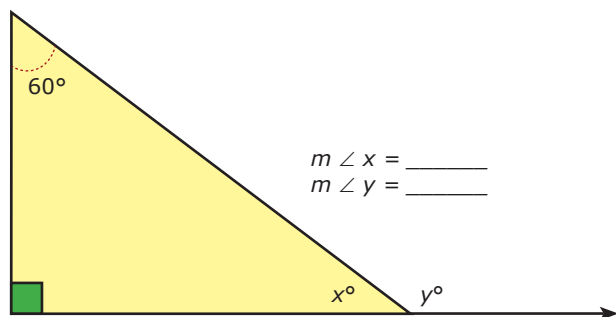
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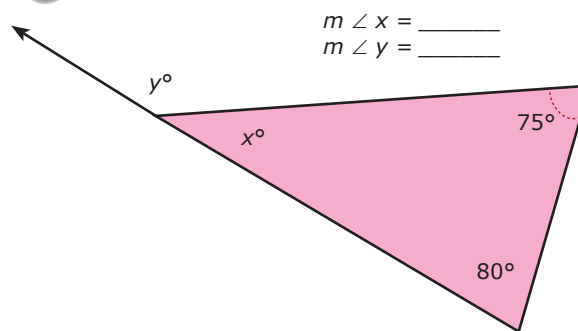
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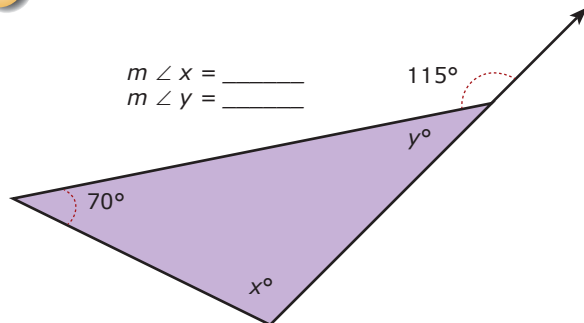
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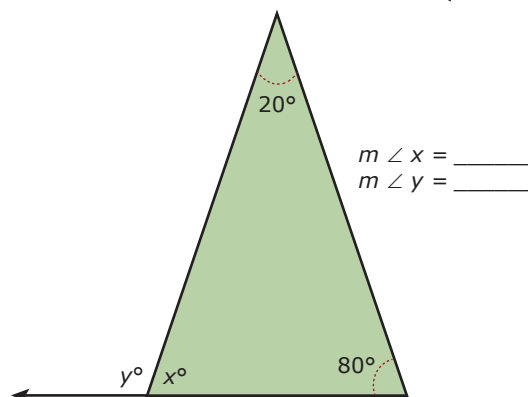
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7

What do you discover? Explain your thinking.