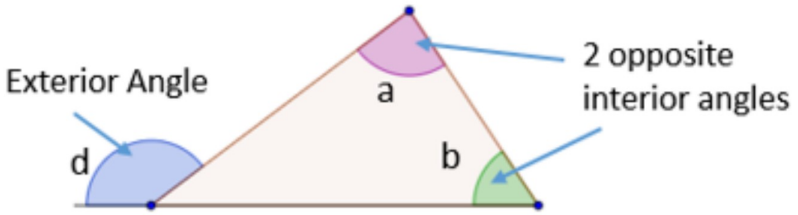
# Exterior Angle Theorem

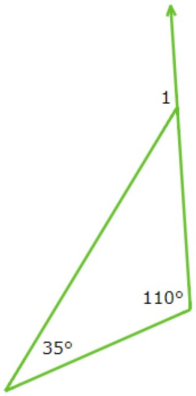
The exterior angle of a triangle is equal to the sum of the two opposite interior angles.




$d = a + b$

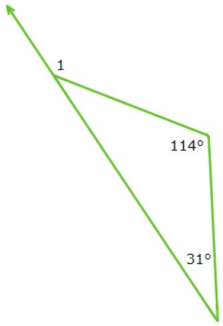
**Angles that form a straight line have a sum of: _____.**

What is $m\angle 1$?



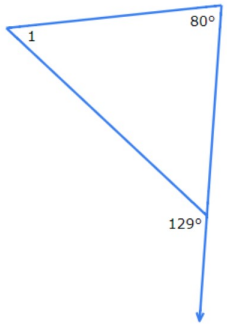

$m\angle 1 =$ ____°

What is $m\angle 1$?



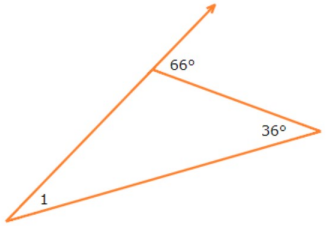

$m\angle 1 =$ ____°

What is $m\angle 1$?



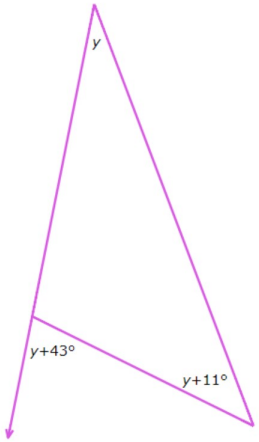

$m\angle 1 =$ ____°

What is $m\angle 1$?




$m\angle 1 =$ ☐°

What is the value of $y$?




$y =$ ☐°

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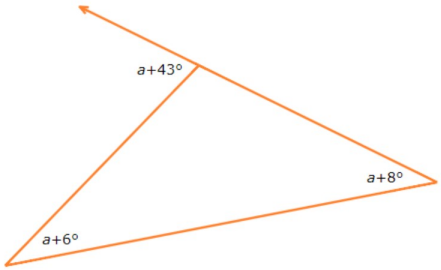
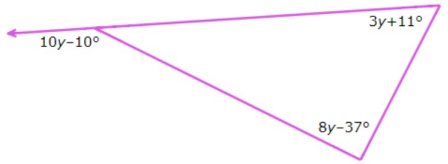
What is the value of $a$?




$a =$ ☐°

What is the value of $y$?




*Write your answer as an integer or as a decimal rounded to the nearest tenth.*

$y =$ ☐°